1920, 1921, 1922
non pubblicati

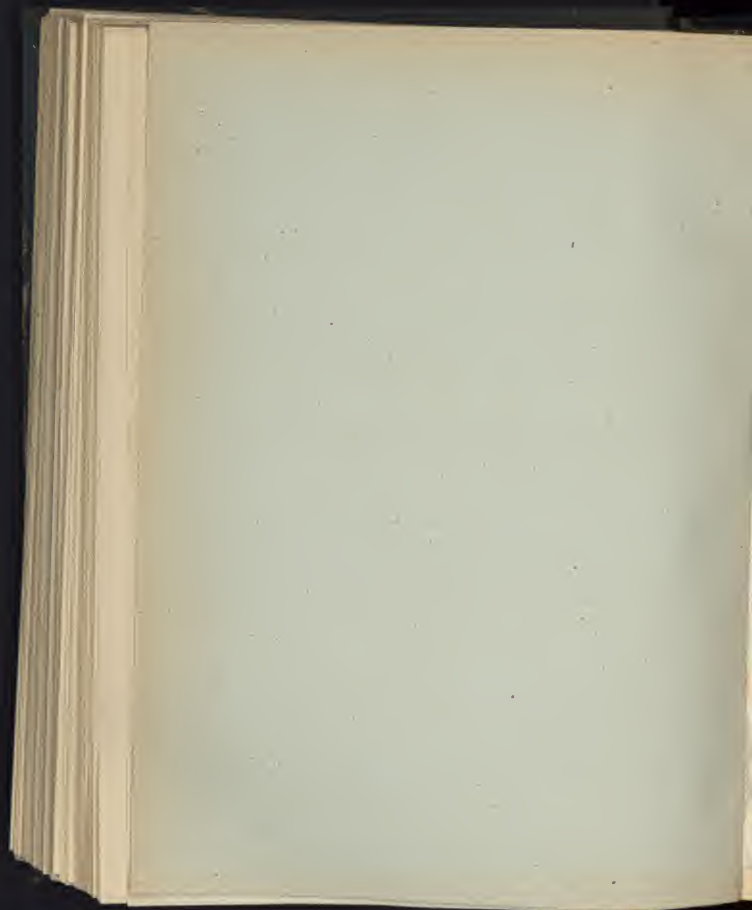
V. III n. 4

ANNUARIO
ASTRONOMICO
pel 1919

PUBBLICATO DAL

R. OSSERVATORIO DI PINO TORINESE

(Stampato a spese del Prof. G. Boccardi)

TORINO
TIPOGRAFIA S. GIUSEPPE DEGLI ARTIGIANELLI
—
1918

OBSERVATOIRE ASTRONOMIQUE

DE PINO TORINESE (Italie)

Le Ministère de l'instruction de notre pays ayant supprimé tous les Annuaires, même scientifiques, à cause des circonstances actuelles, notre Observatoire se voit dans l'impossibilité de maintenir ses engagements relatifs à la publication de son ***Annuario Astronomico*** *et à la communication des éphémérides des étoiles aux autres Bureaux. Cette publication sera reprise lorsque les causes de cette suspension seront cessées.*

Pino Torinese, le 1.er Novembre 1917.

Le Directeur

J. BOCCARDI.

OBSERVATOIRE ASTRONOMIQUE
de Pino Torinese (Italie)

Monsieur ______________________

____

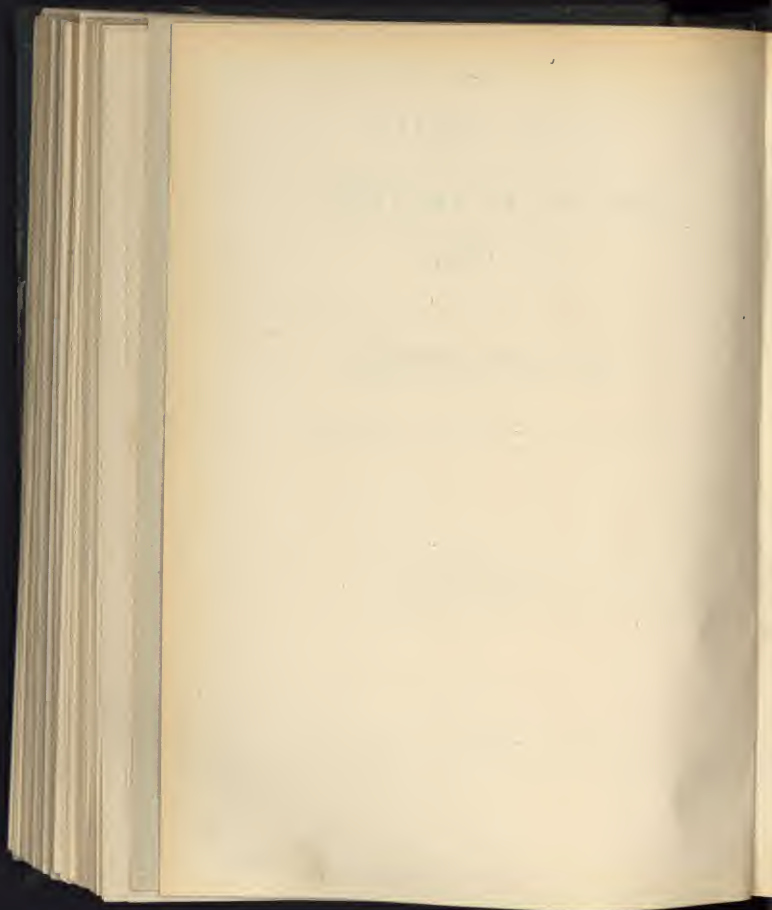
____

ANNUARIO
ASTRONOMICO
pel 1919

PUBBLICATO DAL

R. OSSERVATORIO DI PINO TORINESE

(Stampato a spese del Prof. G. Boccardi)

TORINO
TIPOGRAFIA S. GIUSEPPE DEGLI ARTIGIANELLI
1918

AVVERTENZE

Avendo il Ministero p. i. soppressi tutti gli Annuarî, ancorchè scientifici, siamo costretti a venir meno alla parte delle effemeridi di stelle affidata al nostro Osservatorio. Intanto, perchè non andasse perduto il lavoro fatto per preparare il volume pel 1919, esso viene pubblicato a spese dello scrivente. Non potendosi però continuare a far questo per gli anni successivi, non ci resta che ad associare i nostri voti per la risurrezione di questo *Annuario* a quelli pel trionfo della civiltà latina sulla barbarie teutonica, che nel nostro paese imperava assolutamente nel campo dell'astronomia.

La Dott.ssa Comi ha curato il lavoro di preparazione di questo volume.

Seguono in appendice due Note dello scrivente, cioè : *Numeri e misure*, e *Sul calcolo d'una formola di probabilità*.

STELLE. — Diamo, pel passaggio superiore al meridiano di Greenwich, le posizioni apparenti di 457 stelle, di cui 5 circumpolari. Le effemeridi di queste ultime, gentilmente comunicateci dall'Ufficio della *Connaissance des temps*, furono da noi ridotte al sistema di Boss, che è quello che adottiamo per le posizioni medie e pei moti proprî. Le grandezze sono state dedotte dai volumi L e LIV degli Annali di Harvard College Observatory.

Le costanti besseliane furono calcolate direttamente ed i numeri diurni A B C D vennero calcolati in base alle Tavole del Sole e della Luna per 12^h di tempo sidereo, il che presenta una semplificazione per la riduzione al passaggio pel meridiano di Greenwich.

G. Boccardi.

INDICE

NUMERI DIURNI BESSELIANI

per 12h di tempo sidereo di Greenwich.

DATA		t	Numeri diurni Besseliani				
			Log A	Log B	Log C	Log D	E
1919							s
Gennaio	0,7	−0,00053	+ 9,52535	+ 0,52548	− 0,50281	+ 1,30479	+ 0,0027
	10,7	+0,02678	+ 9,56810	+ 0,52357	− 0,80615	+ 1,28431	+ 0,0028
	20,7	+0,05408	+ 9,60482	+ 0,51450	− 0,97366	+ 1,24831	+ 0,0028
	30,6	+0,08139	+ 9,63584	+ 0,50038	− 1,08369	+ 1,19400	+ 0,0028
Febbraio	9,6	+0,10869	+ 9,66180	+ 0,48412	− 1,16000	+ 1,11622	+ 0,0028
	19,6	+0,13600	+ 9,68347	+ 0,46905	− 1,21295	+ 1,00486	+ 0,0028
Marzo	1,6	+0,16330	+ 9,70173	+ 0,45875	− 1,24782	+ 0,83622	+ 0,0027
	11,5	+0,19060	+ 9,71758	+ 0,45622	− 1,26756	+ 0,53300	+ 0,0027
	21,5	+0,21791	+ 9,73201	+ 0,46320	− 1,27367	− 9,06820	+ 0,0026
	31,5	+0,24521	+ 9,74597	+ 0,47962	− 1,26670	− 0,55925	+ 0,0025
Aprile	10,4	+0,27252	+ 9,76022	+ 0,50376	− 1,24663	− 0,81545	+ 0,0024
	20,4	+0,29982	+ 9,73535	+ 0,53283	− 1,21222	− 1,00703	+ 0,0024
	30.4	+0,32713	+ 9,79167	+ 0,56375	− 1,16124	− 1.11440	+ 0,0024
Maggio	10,4	+0,35443	+ 9,80924	+ 0,59383	− 1,08946	− 1,18978	+ 0,0023
	20,3	+0,38173	+ 9,82786	+ 0,62093	− 0,98873	− 1,24301	+ 0,0024
	30,3	+0,40904	+ 9,84719	+ 0,64361	− 0,84115	− 1,27927	+ 0,0024
Giugno	9,3	+0,43634	+ 9,86676	+ 0,66095	− 0,59613	− 1,30132	+ 0,0024
	19,3	+0,46365	+ 9,88607	+ 0,67261	− 9,93141	− 1,31067	+ 0,0025
	29,2	+0,49095	+ 9,90468	+ 0,67860	+ 0,35391	− 1,30795	+ 0,0025
Luglio	9,2	+0,51826	+ 9,92217	+ 0.67927	+ 0,72491	− 1,29304	+ 0,0026
	19,2	+0,54556	+ 9,93826	+ 0,67529	+ 0,91439	− 1,26505	+ 0,0026
	29.1	+0,57287	+ 9,95274	+ 0,66776	+ 1,03717	− 1,22204	+ 0,0026
Agosto	8,1	+0,60017	+ 9,96555	+ 0,65804	+ 1,12319	− 1,16058	+ 0,0026
	18.1	+0,62747	+ 9,97675	+ 0.64790	+ 1,18479	− 1,07424	+ 0,0026
	28,1	+0,65478	+ 9,98648	+ 0,63925	+ 1,22806	− 0,94991	+ 0,0025
Settembre	7.0	+0,68208	+ 9,99502	+ 0,63411	+ 1,25620	− 0,75533	+ 0,0025
	17.0	+0,70939	+ 0,00271	+ 0,63410	+ 1.27093	− 0,36123	+ 0,0024
	27,0	+0,73669	+ 0,00908	+ 0,64018	+ 1,27295	+ 0,07362	+ 0,0023
Ottobre	7,0	+0,76399	+ 0,01725	+ 0,65239	+ 1,26217	+ 0,66751	+ 0,0022
	16,9	+0,79130	+ 0,02492	+ 0,66980	+ 1,23771	+ 0,90299	+ 0,0022
	26.9	+0,81860	+ 0,03333	+ 0,69074	+ 1,19762	+ 1,04640	+ 0,0021
Novembre	5,9	+0,84591	+ 0.04269	+ 0,71317	+ 1,13845	+ 1,14416	+ 0,0021
	15.8	+0,87321	+ 0,05306	+ 0,73499	+ 1,05379	+ 1,21310	+ 0,0021
	25.7	+0,90052	+ 0,06434	+ 0,75443	+ 0,93056	+ 1,26105	+ 0,0021
Dicembre	5,8	+0,92782	+ 0,07628	+ 0,77009	+ 0,73662	+ 1,29199	+ 0,0021
	15.8	+0,95513	+ 0,08855	+ 0,78109	+ 0,34346	+ 1,30810	+ 0,0022
	25,7	+0,98243	+ 0,10075	+ 0,78702	− 0,04879	+ 1,31035	+ 0,0022
	35,7	+1,00973	+ 0,11250	+ 0,78790	− 0,64438	+ 1.29881	+ 0,0023

POSIZIONI MEDIE DI STELLE per il 1919,0.

N° d'ordine	Nome delle stelle			N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
						h m s	s	° ′ ″	″
1	33		Piscium	4	4,7	0. 1.11,345	+ 3,0706	− 6. 9.38,61	+20,135
2	5		Ceti	8	6,3	0. 4. 3,213	+ 3,0718	− 2.53.54,93	+20,037
3	35		Piscium	22	5,9	0.10.48,427	+ 3,0886	+ 8.22.16,15	+19,999
4	24	θ	Andromedae	27	4,4	0.12.51,309	+ 3.1276	+38.13.54,84	+19,994
5	25	σ	Andromedae	29	4,5	0.14. 5,438	+ 3,1275	+36.20.10,20	+19,963
6	41	d	Piscium	37	5,6	0.16.25,679	+ 3,0853	+ 7.44.25,67	+20,008
7	27	ρ	Andromedae	38	5,2	0.16.50,979	+ 3,1535	+37.31.11,67	+19,947
8		ι	Sculptoris	39	5,4	0.17.27,168	+ 3,0186	−29.25.45,66	+19,918
9	44		Piscium	41	6,0	0.21.14,962	+ 3,0746	+ 1.29.28,15	+19,943
10	10		Ceti	44	6,4	0.22.28,108	+ 3,0763	− 0.29.53,25	+19,951
11		β[1]	Tucanae	56	4,5	0.27.50,309	+ 2,7623	− 63.24.15,67	+19,843
12	13		Ceti	63	4,9	0.31. 4,680	+ 3,0872	− 4. 2.18,99	+19,843
13	82 B.		Ceti	69	5,7	0.33.11,139	+ 3,0840	−25.12.46,31	+19,826
14		μ	Phoenicis	80	4,7	0.37.30,073	+ 2,8403	−46.31.47,37	+19,752
15	147 B.		Piscium	94	5,8	0.44. 7,917	+ 3,1444	+ 4.51.51,40	+18,531
16	24	η	Cassiopejae	95	3,6	0.44.11,366	+ 3,6121	+57.23. 9,60	+19,151
17	35	ν	Andromedae	99	4,4	0.45.20,422	+ 3,2998	+40.38.16,60	+19,634
18	20		Ceti	107	4,9	0.48.52,004	+ 3,0645	− 1.35. 2,32	+19,576
19	68	h	Piscium	115	5,6	0.53.26,871	+ 3,2416	+28.33.16,16	+19,491
20	72		Piscium	130	5,7	1. 0.48,596	+ 3,1632	+14.30.38,08	+19,388
21.	30	μ	Cassiopejae	133	5,3	1. 2.52,186	+ 3,9733	+54.31.24,65	+17,736
22	80	e	Piscium	139	5,7	1. 4.11,698	+ 3,0883	+ 5.13.17,13	+19,083
23		ζ	Phoenicis	141	4,1	1. 4.58,977	+ 2,5259	− 55.40.42,84	+19,271
24	84	χ	Piscium	146	4,9	1. 7. 5,685	+ 3,2190	+ 20.36.16,35	+19,198
25	86	ζ	Piscium	150	5,2	1. 9.29,791	+ 3,1316	+ 7. 8.50,23	+19,079
26	37		Ceti	151	5,2	1.10.19,190	+ 3,0218	− 8.21.29,04	+19,377
27		κ[2]	Tucanae	156	5,0	1.13. 1,418	+ 2,0392	− 69.18.21,67	+19,151
28	91	l	Piscium	162	5,6	1.16.38,344	+ 3,3108	+ 28.18.54,99	+18,859
29	46	ξ	Andromedae	165	5,0	1.17.33,839	+ 3,5219	+45. 6.16,72	+18,913
30	48	ω	Andromedae	176	5,0	1.22.48,080	+ 3,5773	+41.59.20,67	+18,655
31	38		Cassiopejae	179	6,0	1.25.10,683	+ 4,4229	+69.50.54,31	+18,611
32		ϑ	Phoenicis	185	4,0	1.27.52,841	+ 2,5003	− 49.29.36,29	+18,739
33	1	α	Ursae Minoris	188	2,1	1.31.11, 81	+29, 531	+88.52.20,38	+18,478
34	50	υ	Andromedae	193	4,2	1.32. 2,117	+ 3,5109	+41. 0. 2,81	+18,073
35	102	π	Piscium	195	5,6	1.32.48,080	+ 3,1769	+11.43.39,23	+18,461
36	53	χ	Ceti	226	4,8	1.45.36,333	+ 2,9454	− 11. 5.11,40	+17,876
37	2		Persei	228	5,6	1.46.59,682	+ 3,8021	+50.23.34,65	+17,872
38	5	γ	Arietis (stella austr.)	233	4,0	1.49. 4,931	+ 3,2880	+18.53.49,07	+17,709
39	53		Cassiopejae	253	5,6	1.56.59,382	+ 4,4127	+63.59.58,50	+17,495
40	113	α[2]	Piscium	254	4,3	1.57.51,272	+ 3,1027	+ 2.22.22,56	+17,447
41	65	ξ[1]	Ceti	273	4,5	2. 8.42,237	+ 3,1769	+ 8.28. 2,33	+16,960
42	68	o	Ceti	286	var.	2.15.15,185	+ 3,0291	− 3.20.41,63	+16,418

Nº d'ordine	NOME DELLE STELLE	Nº della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ′ ″	″
43	δ Hydri	290	4,3	2.20.18,120	+ 1,0591	−69. 1.40,07	+16,417
44	24 ξ Arietis	291	5,5	2.20.28,332	+ 3,2124	+10.14.39,84	+16,382
45	35 H. ι Cassiopejae	295	4,6	2.22.22,280	+ 4,9078	+67. 2.21,30	+16,315
46	27 Arietis	305	6,4	2.26.24,613	+ 3,3240	+17.20.45,70	+15,995
47	76 σ Ceti	307	4,8	2.28.14,839	+ 2,8423	−15.35.58,52	+15,879
48	78 ν Ceti	312	5,0	2.31.37,261	+ 3,1459	+ 5.14.25,16	+15,788
49	128 H.[1] Ceti	313	5,9	2.31.38,192	+ 3,2871	+ 6 30. 3,47	+17,276
50	83 ε Ceti	323	5,0	2.35.38,724	+ 2,9013	−12.12.55,73	+15,361
51	12 Persei	325	5,0	2.37. 7,734	+ 3,7777	+39.51. 7,57	+15,325
52	ι Eridani	326	4,1	2.37.28,232	+ 2,3669	−40.12. 5,68	+15,468
53	43 σ Arietis	352	5,6	2.47. 1,044	+ 3,3090	+14.44.56,16	+14,921
54	48 ε Arietis	365	4,6	2.54.34,582	+ 3,4260	+21. 1. 1,54	+14,498
55	91 λ Ceti	368	4,7	2.55.22,285	+ 3,2130	+ 8.35. 7,41	+14,451
56	11 τ^3 Eridani	376	4,2	2,58.49,232	+ 2,6449	−23.56.28,87	+14,201
57	58 ζ Arietis	398	5,0	3.10.14,517	+ 3,4445	+20.44.42,31	+13,452
58	16 τ^4 Eridani	408	4,0	3.15.54,795	+ 2,6679	−22. 3. 7,19	+13,198
59	61 τ^1 Arietis	409	5,2	3.16.32,815	+ 3,1598	+20.51.21,16	+13,085
60	4 s Tauri	424	5,1	3.25.58,699	+ 3,2765	+11. 3.33,74	+12,461
61	17 υ Eridani	427	4,8	3.26.35,792	+ 2,9752	− 5.21. 7,60	+12,448
62	19 τ^5 Eridani	433	4,3	3.30.12,499	+ 2,6485	−21.54.14,13	+12,149
63	10 Tauri	438	4,4	3.32.44,244	+ 3,0597	+ 0. 8.43,56	+11,531
64	11 Tauri	447	6,2	3.35.55,794	+ 3,5794	+25. 4. 6,32	+11,772
65	h Eridani	460	4,6	3.39.49,925	+ 2,2241	−37.34. 7,14	+11,432
66	28 τ^7 Eridani	468	5,0	3.44.10,591	+ 2,5795	−24. 7.29,39	+11,250
67	δ Reticuli	494	4,4	3.57.27,612	+ 0,9443	−61 37.43,46	+10,196
68	37 A Tauri	497	4,5	3.59.54,201	+ 3,5436	+21.51.41,41	+ 9,966
69	47 λ Persei	499	4,3	4. 0.32,567	+ 4,4601	+50. 7.57,69	+ 9,945
70	43 ω^1 Tauri	508	5,7	4. 4.26,649	+ 3,4921	+19.23.45,17	+ 9,641
71	44 p Tauri	510	5,6	4. 5.53,681	+ 6,6502	+26.16.14,01	+ 9,536
72	51 μ Persei	517	4,3	4. 8.56,619	+ 4,3968	+48.12.16,93	+ 9,311
73	39 A Eridani	520	5,1	4.10.32,402	+ 2,8528	−10.27.23,64	+ 9,057
74	49 μ Tauri	521	4,3	4.11. 8,054	+ 3,2562	+ 8.41.25,65	+ 9.148
75	40 o^2 Eridani	523	4,5	4.11.32,623	+ 2,7614	− 7.46.41,59	+ 5,705
76	68 Tauri	540	4,2	4.20.48,019	+ 3,4683	+17.44.37,59	+ 8,383
77	43 υ^3 Eridani	541	4,1	4.20.59,617	+ 2.2523	−34.12.15,19	+ 8,448
78	80 Tauri	553	5.7	4.25.31,351	+ 3,4187	+15.27.43,55	+ 8,020
79	57 m Persei	556	6,1	4.27.42,641	+ 4,2155	+42.53.31,71	+ 7,856
80	86 ρ Tauri	560	4,8	4.29.14,971	+ 3,4025	+14.40.30,50	+ 7,705
81	54 Eridani	574	4,5	4.36.53,867	+ 2,6239	−19.49.34,03	+ 7,021
82	α Caeli	580	4,5	4.37.57,104	+ 1.9320	−42. 1. 4,60	+ 6,935
83	268 G. Eridani	591	6,0	4.43.11,678	+ 2,3946	−28.13.59,60	+ 6,608
84	1 π^3 Orionis	596	3,3	4.45.26,516	+ 3,2557	+ 6.49.15,17	+ 6,426

N° d'ordine	Nome delle stelle	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ' "	"
85	60 Eridani	600	5,2	4.46.32,518	+ 2,7035	−16.21.25,51	+ 6,378
86	4 ο¹ Orionis	603	5,2	4.47.56,919	+ 3,3923	+14. 7. 0,04	+ 6,139
87	98 k Tauri	611	5,7	4.53.11,835	+ 3,6698	+24.55.34,82	+ 5,700
88	8 ζ Aurigae	617	3,9	4.56.48,762	+ 4,1899	+40.57.31,70	+ 5,427
89	11 Orionis	624	4,7	4.59.56,354	+ 3,4269	+15.17.32,29	+ 5,157
90	5 μ Leporis	648	3,3	5. 9.17,548	+ 2,6942	−16.18. 1,94	+ 4,371
91	15 λ Aurigae	652	4,9	5.13.26,456	+ 4,2181	+40. 1 42,37	+ 3,387
92	6 λ Leporis	661	4,3	5.15.50,592	+ 2,7636	−13 15.33,87	+ 3,842
93	22 ο Orionis	667	4,7	5.17.37,567	+ 3,0618	− 0.27.41,37	+ 3,682
94	25 Orionis	671	4,7	5.20.32,477	+ 3,1127	+ 1.46.22,64	+ 3,416
95	20 G. Pictoris	688	5,5	5.27.55,721	+ 1,6465	−47. 8. 8,50	+ 2,643
96	ε Columbae	689	3,9	5.28.20,220	+ 2,1297	−35.31.45,72	+ 2,711
97	41 θ¹ Orionis	695	4,9	5.31.17,724	+ 2,9466	− 5.26.31,94	+ 2,508
98	43 θ² Orionis	696	5,2	5.31.24,224	+ 2,9466	+ 5.28. 5,89	+ 2,510
99	50 ζ Orionis	711	1,9	5.36.40,288	+ 3,0271	− 1.59. 4,38	+ 2,029
100	δ Doradus	728	4,5	5.44.37,582	+ 0,1044	− 65.45.56,79	+ 1,354
101	30 ξ Aurigae	734	4,9	5.48.33,414	+ 5,0275	− 55.41.22,46	+ 1,056
102	136 Tauri	736	4,5	5.48.14,171	+ 3,7712	− 27.35.39,32	+ 1,011
103	γ Columbae	750	4,4	5.54.39,892	+ 2,1268	−35.17.28,67	+ 0,469
104	1 Geminorum	759	4,3	5,59.11,763	+ 3.6467	+23.16. 7,60	— 0,038
105	70 ξ Orionis	773	4,4	6. 7.20,085	+ 3,4120	+14.13.40,73	— 0,675
106	5 γ Monocerotis	779	4,1	6.10.54,296	+ 2,9263	— 6.14.56,60	— 0,974
107	74 k Orionis	781	5,1	6.11.53,717	+ 3,3696	+12.17.45,17	— 0,847
108	δ Columbae	798	4,0	6.19. 9,147	+ 2,1917	−33.23.40,85	— 1,726
109	6 Lyncis	806	6,0	6.23.45,227	+ 5,2171	+58.13.26,24	— 2,404
110	18 ν Geminorum	809	4,1	6.24. 9,231	+ 3,5628	+20.15.52,03	— 2,130
111	13 Monocerotis	816	4,5	6.28.31,453	+ 3,2449	+ 7.23.35,72	— 2,498
112	58 ψ² Aurigae	847	5,0	6.45. 2,429	+ 4,2461	+41.52.40,58	— 4,049
113	13 κ Canis Majoris	851	3,8	6.46.48,931	+ 2,2410	−32.24.51,22	— 4,065
114	38 e Geminorum	860	4,7	6.50. 4,509	+ 3,3856	+13.16.54,18	— 4,430
115	22 σ Canis Majoris	875	3,7	6.58.29,527	+ 2,3896	− 27.49. 5,04	− 5,060
116	51 H. Cephei	880	5,3	7. 3. 2,80	+29,123	+87 10.43,66	— 5,481
117	A Puppis	892	4,9	7. 6. 7,882	+ 2,0146	−39.31 29,75	— 5,701
118	20 Monocerotis	893	5,0	7. 6.12,317	+ 2,9806	− 4. 6.34,95	— 5,493
119	22 δ Monocerotis	898	4,1	7. 7.43,722	+ 3,0649	− 0.21.27,32	— 5,827
120	51 Geminorum	899	5,3	7. 8.43,255	+ 3,4468	+ 16.17.50,58	− 5,971
121	γ² Volantis	901	3,9	7. 9.26,493	− 0,4977	—70.22. 3,30	− 5,888
122	6 Canis Minoris	933	4,9	7.25.17,345	+ 3.3415	+12.10.30,31	− 7,308
123	σ Puppis	934	3,3	7.26 39,689	+ 1,9033	—43. 8.12,91	− 7,220
124	69 υ Geminorum	942	4,2	7.30.56,025	+ 3,7007	+27. 4.36,32	— 7,862
125	Q Carinae	950	4,9	7.33 39,502	+ 1,4845	− 52.21. 9,28	− 7,986
126	71 ο Geminorum	951	4,9	7.33.52,914	+ 3,9215	+ 34.46.16,17	− 8,105

N° d'ordine	Nome delle stelle			N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
						h m s	s	° ' "	"
127	4		Puppis	970	5,1	7.42.13,073	+ 2,7627	−14.21.58,05	− 8,644
128		c	Puppis	971	3,7	7.42.22,098	+ 2,1367	−37.46.17,20	− 8,667
129		ξ	Puppis	978	3,5	7.45.53,254	+ 2,5231	−24.39.20,48	− 8,934
130	6		Puppis	979	5,5	7.46. 1,674	+ 2,7104	−17. 1.16,43	− 9,061
131	13	ζ	Canis Minoris .	981	5,1	7.47.29,952	+ 3,1122	+ 1.58.28,01	− 9,067
132	83	φ	Geminorum . .	985	5,0	7.48.32,557	+ 3,6759	+26.58.35,18	− 9,180
133	1		Cancri	992	6,0	7.52.23,619	+ 3,4090	+16. 0.27,16	− 9,490
134	11		Puppis	994	4,4	7.53.22,551	+ 2,5787	−22.39.47,51	− 9,509
135	2	ω^1	Cancri	1001	5,9	7.56. 1,948	+ 3,6341	+25.36.55,88	− 9,722
136	8		Cancri	1008	5,1	8. 0.33,861	+ 3,3447	+13.20.59,15	−10,143
137	10	μ^2	Cancri	1014	5,4	8. 3. 0,005	+ 3,5342	+21.49. 4,11	−10,331
138	3 H.		Ursae Majoris .	1018	5,5	8. 4,46,259	+ 6,0077	+68 42.51,03	−10,378
139	18		Puppis	1025	5,6	8. 6.54,630	+ 2,7827	−13.33.37,31	−10,496
140	16	ζ^1	Cancri	1029	4,7	8. 7.34,100	+ 3,4436	+17.53.34,42	−10,731
141	18	χ	Cancri	1038	5,2	8.15. 8,829	+ 3,6493	+27 28.51,17	−11,535
142	20	d^1	Cancri	1045	5,9	8.18.43,669	+ 3,4384	+18.35.35,38	−11,439
143	29		Cancri	1062	5,9	8.24. 6,246	+ 3,3508	+14.28.47,24	−11,807
144	31	θ	Cancri	1065	5,6	8.26.58,792	+ 3,4245	+18.22. 8,08	−12,061
145	4	δ	Hydrae	1078	4,2	8.33.22,158	+ 3,1777	+ 5.59.13,10	−12,446
146	5	σ	Hydrae	1079	4,5	8.34.31,508	+ 3,1377	+ 3.37.35,60	−12,534
147	.	β	Pyxidis	1085	4,0	8.36.55,852	+ 2,3477	−35. 1.12,82	−12,697
148		b	Velorum	1087	4,1	8.37.56,336	+ 1,9904	−46.21.36,80	−12,760
149		o	Velorum . . .	1088	3,7	8.37.58,449	+ 1,7204	−52.38. 2,10	−12,737
150	43	γ	Cancri	1089	4,7	8.38.36,087	+ 3,4761	+21.45.37,94	−12,841
151	14		Hydrae	1107	5,2	8.45.17,565	+ 3,0162	− 3. 8.30,27	−13,260
152	5	b	Ursae Majoris .	1110	5,7	8.46.42,923	+ 4,9697	+62.15.59,26	−13,311
153		w	Velorum . . .	1130	4,4	8.57. 3,910	+ 2,2375	−40.56.16,67	−13,958
154	69	ν	Cancri	1132	5,5	8.58. 0,336	+ 3,5125	+24.46.21,04	−14,056
155	145 B.		Lyncis	1138	4,7	9. 1.22,918	+ 3,8242	+38 46.36,29	−14,286
156	76	κ	Cancri	1143	5,1	9. 3.21,718	+ 3,2523	+10.59.41,68	−14,392
157	.	κ	Pyxidis	1146	4,8	9. 4.29,512	+ 2,6331	−25.31 52,18	−14,458
158	77	ξ	Cancri	1147	5,2	9. 4.42,312	+ 3,4539	+22.22.25,33	−14,470
159		ε	Pyxidis	1152	5,6	9. 6.30,387	+ 2,5420	−30. 2. 2,39	−14,609
160		a	Carinae . . .	1155	3,6	9. 8.50,056	+ 1,5782	−58.38. 5,68	−14,714
161		l	Velorum . . .	1164	5,0	9.12.25,094	+ 2,3631	−38.13.54,26	−14,922
162		θ	Pyxidis (h Mali)	1177	4,9	9.17.54,378	+ 2,6548	25.37.12,43	−15,246
163	1	κ	Leonis	1181	4,6	9.19.56,443	+ 3,4994	+26.31.53,97	−15,406
164	28		Hydrae . . .	1184	5,8	9.21 21,035	+ 3,0002	− 4.46. 2,97	−15,441
165	5	ξ	Leonis	1197	5,1	9.27.34,909	+ 3,2364	+11.39.32,81	−15,860
166	33	A	Hydrae . . .	1205	5,7	9.30.30,142	+ 2,9939	− 5.33.10,04	−15,986
167	10		Leonis	1211	5,1	9.32.56,155	+ 3,1693	+ 7.11.57,98	−16,064
168	2		Sextantis . . .	1214	4,8	9.34.13,868	+ 3,1314	+ 5. 0.55,94	−16,188

N° d'ordine	NOME DELLE STELLE	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ′ ″	″
169	35 ι Hydrae	1217	4,1	9.35.43,213	+ 3,0651	− 0.46.28,53	−16,275
170	l Carinae	1232	var.	9.43. 1,234	+ 1,6472	−62. 8. 1,68	−16,549
171	15 Leonis Minoris	1233	5,2	9.43.22,334	+ 3,8818	+46.23.56,62	−16,687
172	83 B. Leonis	1247	5,9	9.52. 8,416	+ 3 1827	+ 9.19. 2,64	−16,999
173	20 Leonis Minoris	1260	5,6	9.56.20,769	+ 3.4662	+32.19.20,97	−17,639
174	40 υ² Hydrae	1264	4,7	11. 1.10,797	+ 2.9213	−12.40.17,20	−17,399
175	32 Ursae Majoris	1283	5,4	10.12.10,195	+ 4,3884	+65.30.46,97	−17,880
176	22 Sextantis	1288	5,4	10.13.36,294	+ 2,9814	− 7.39.50,46	−17,922
177	q Carinae	1290	3,4	10.14.22,444	+ 1,9976	−60.55.38 65	−17,960
178	59 G. Antliae	1289	5,6	10.14.24,706	+ 2,7469	−28.35.12,28	−17,956
179	41 γ¹ Leonis	1292	2,3	10.15.30,579	+ 3,3113	+20.15. 6,15	−18,151
180	48 Leonis	1328	5,2	10.30.34,555	+ 3,1313	+ 7.22.15,64	−18,487
181	37 Leonis Minoris	1335	4,8	10.34. 9,995	+ 3,3834	+32.23.50,31	−18,659
182	34 Sextantis	1345	6,6	10.38.26,541	+ 3,0991	+ 4. 0.23,95	−18,769
183	37 Sextantis	1354	6,3	10.41.52,708	+ 3,1255	+ 6.48. 1,41	−18,930
184	η Carinae	1355	var.	10.41.54,900	+ 2,3223	−59.15.30,06	−18,891
185	45 ω Ursae Majoris	1368	4,8	10.49.19,365	+ 3,4634	+43.37.17,12	−19,135
186	u Carinae	1369	3,9	10.50.11,886	+ 2,4285	−58.25.22,11	−19,101
187	54 Leonis	1371	4,3	10.51.13,840	+ 3,2529	+25.10.55,43	−19,166
188	7 α Crateris	1382	4,2	10.55.49,586	+ 2,9210	−17.52. 2,07	−19,144
189	58 d Leonis	1383	5,1	10.56.22,675	+ 3,0992	+ 4. 3. 9,36	−19,299
190	65 p¹ Leonis	1397	5,7	11. 2.46,364	+ 3,0614	+ 2.23.43,59	−19,511
191	74 φ Leonis	1418	4,6	11.12.32,599	+ 3,0498	− 3.12.31,29	−19,661
192	53 ξ Ursae Majoris	1421	3,9	11.13.51,973	+ 3,2063	+31.59. 5,97	−20,238
193	83 Leonis	1440	6,2	11.22.39,341	+ 3,0376	+ 3.27.16,53	−19,606
194	84 τ Leonis	1443	5,2	11.23.46,332	+ 3,0861	+ 3.18. 8,66	−19,814
195	87 e Leonis	1448	5,1	11.26.10,549	+ 3,0652	− 2.33.23,33	−19,844
196	21 θ Crateris	1458	4,8	11.32.34,325	+ 3,0423	− 9.21.15,27	−19,901
197	61 Ursae Majoris	1466	5,5	11.36.47,334	+ 3,1654	+34.39.33,13	−20,333
198	27 ζ Crateris	1469	4,9	11.40.39,326	+ 3,0387	−17.54. 1,40	−20,013
199	3 ν Virginis	1471	4,2	11.41.41,795	+ 3,0845	+ 6.58.59,91	−20,168
200	93 Leonis	1480	4,5	11.43.48,527	+ 3,0973	+20.40. 8,18	−20,015
201	Groombridge 1830	1491	6,5	11.48.18,904	+ 3,4663	+38.17.59,33	−25,826
202	β Hydrae	1493	4,4	11.48.48,810	+ 3,0251	−33.27.26,80	−20,028
203	95 o Leonis	1495	5,5	11.51.30,735	+ 3,0887	+16. 5.50,77	−20,039
204	8 π Virginis	1505	4,6	11.56.43,349	+ 3,0748	+ 7. 3.57,36	−20,076
205	η Crucis	1516	4,3	12. 2.38,494	+ 3,1045	−64. 9.43,11	−20,090
206	10 Virginis	1522	6,1	12. 5.32,266	+ 3,0744	+ 2.21. 9,42	−20,224
207	1 Canum Venatic.	1533	6.3	12.10.42,859	+ 2,9860	+53.53. 6,81	−20,015
208	6 B. Ursae Minoris	1544	6,3	12.14.29,27	+ 0,390	+88. 8.56,18	−19,947
209	16 c Virginis	1547	5,1	12.16.14,121	+ 3,0467	+ 3.45.18,15	−20,073
210	12 Comae	1551	4,8	12.18.26,155	+ 3,0190	+26.17.43,76	−19,995

l Carinae : variabile da 3,6 a 5,0; periodo 35^d,523.
η Carinae : variabile da > 1 a 7,4.

N° d'ordine	Nome delle stelle	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ′ ″	″
211	α^1 Crucis	1559	1,6	12.22. 4,903	+ 3,3161	−62.39. 1,40	−19,983
212	14 Comae	1561	5,2	12.22.21,127	+ 3,0026	+27.43. 0,20	−19,969
213	15 γ Comae	1564	4,6	12.22.54,186	+ 2,9930	+28.43. 6,58	−20,032
214	23 Comae	1585	4,8	12.30.48,970	+ 2,9912	+23. 4.29,70	−19,859
215	9 Canum Venatic.	1592	6,3	12.34.52,604	+ 2,8927	+41.19.11,63	−19,845
216	30 ϱ Virginis	1598	5,0	12.37.47,118	+ 3,0374	+10.40.54,13	−19,875
217	35 Virginis	1609	6,7	12.43.43,917	+ 3,0546	+ 4. 0.52,81	−19,694
218	31 Comae	1616	5,1	12.47.45,285	+ 2,9246	+27.58.51,91	−19,638
219	40 ψ Virginis	1624	4,9	12.50. 8,316	+ 3,1176	− 9. 5.57,52	−19,589
220	48 Virginis	1642	6,5	12.59.43,864	+ 3,0891	− 3.13.39,95	−19,409
221	14 Canum Venatic.	1644	5,1	13. 1.57,357	+ 2,8091	+36.13.54,79	−19,307
222	19 Canum Venatic.	1662	5,7	13.11.53,533	+ 2,7003	+41.16.56,61	−19,069
223	60 σ Virginis	1668	5,0	13.13.30,812	+ 3,0282	+ 5.53.46,36	−19,014
224	68 ι Virginis	1684	5,6	13.22.26,258	+ 3,1660	−12.17.11,63	−18,785
225	70 Virginis	1686	5,2	13.24.28,079	+ 2,9341	+14.12.39,20	−19,286
226	d Centauri	1691	4,0	13.26.20,477	+ 3,4693	−38.59.22,08	−18,665
227	73 Virginis	1694	5,9	13.27.40,555	+ 3,2315	−18.18.42,51	−18,620
228	81 Ursae Majoris	1698	5,5	13.31. 0,601	+ 2,3112	+55.45.47,40	−18,496
229	25 Canum Venatic.	1706	6,6	13.33.51,813	+ 2,6674	+36 42.22,90	−18,373
230	82 m Virginis	1713	5,2	13.37.21,195	+ 3,1461	− 8.17.41,18	−18,228
231	83 Virginis	1720	5,7	13.40. 7,400	+ 3,2329	−15.46.19,71	−18,168
232	ν Centauri	1727	3,5	13.44.38,366	− 3,5870	− 41.17. 4,38	−18,017
233	υ^1 Centauri	1745	4,2	13.53.40,136	+ 3,6926	− 44 24 31,91	−17,663
234	48 Hydrae	1748	5,8	13.55.27,689	+ 3,3531	−24.36.56,51	−17,666
235	94 Virginis	1763	6,6	14. 2. 0,329	+ 3,1736	− 8.30 20,72	−17,262
236	9 H. Bootis	1769	5,4	14. 4.41,489	+ 2.3995	+44.14.21,01	−17,188
237	100 λ Virginis	1789	4,6	14.14.43,423	+ 3,2423	−12.59.56,10	−16,657
238	ψ Centauri	1792	4,2	14.15.37,471	+ 3,6391	−37.30.48,50	−16,653
239	2 Librae	1797	6,3	14.19. 3,931	+ 3,2246	−11.20.41,10	−16,531
240	τ^1 Lupi	1800	4,7	14.20.55,837	+ 3,8389	−44.51.21,02	−16,403
241	22 f Bootis	1803	5,4	14.22.41,280	+ 2,7902	+19.35.25,23	−16,269
242	24 g Bootis	1809	5,6	14.25.48,758	+ 2,0876	+50.12.24,39	−16,178
243	204 B. Bootis	1811	6,5	14.26.25,201	+ 2,3625	+42. 9.41,00	−16,286
244	5 Ursae Minoris	1812	4,4	14.27.40,707	− 0,1570	+76. 3.21,87	−16,009
245	26 Bootis	1815	6,0	14.28.51,629	+ 2,7266	+22.36.57,44	−15,934
246	28 σ Bootis	1819	4,5	14.31. 9,329	+ 2,6129	+30. 5.46,62	−15,721
247	29 π^1 Bootis	1832	4,5	14.36.55,143	+ 2.8192	+16.45.53,26	−15,526
248	34 W Bootis	1839	4,9	14.39.51,771	+ 2,6369	+26.52.17,30	−15,385
249	36 ε Bootis	1844	2,6	14.41.26,985	+ 2,6202	+27.24.53,73	−15,266
250	7 μ Librae	1850	5,4	14.44.52,487	+ 3,2850	−13.48.44,43	−15,103
251	295 B. Bootis	1854	6,0	14.45.55,922	+ 2,3559	+38. 8.39,74	−14,912
252	8 α^1 Librae	1855	5,3	14.46.12,188	+ 3,3141	−15.39.40,76	−15,079

N° d'ordine	NOME DELLE STELLE	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ' "	"
253	37 ξ Bootis	1859	4,6	14.47.39,030	+ 2,7669	+19.26.11,07	−15,023
254	13 ξ^1 Librae	1866	5,8	14.49.58,814	+ 3,2533	−11.34. 7,48	−14,802
255	15 ξ^2 Librae	1870	5,6	14.52.22,188	+ 3,2515	−11. 5. 1,11	−14,641
256	43 B. Librae	1872	5,8	14.52,43,937	+ 3,4991	−21. 3. 3,63	−16,370
257	19 δ Librae	1882	4,8	14.56,38,512	+ 3,2022	− 8.11.54,00	−14,391
258	π Lupi	1886	4,0	14.59.35,741	+ 4,0727	−46.44. 6,71	−14,233
259	44 i Bootis	1889	4,9	15. 1. 7,130	+ 1,9788	+47.58. 7,80	−14,078
260	45 c Bootis	1895	5,0	14. 3.44,596	+ 2,6349	+25.11. 1,64	−14,123
261	$\varkappa^1$ Lupi	1902	4,1	15. 6.17,686	+ 4.1569	−48.25.51,27	−13,846
262	5 Serpentis . . .	1920	5,2	15.15.10,576	+ 3,0609	+ 2. 4.15,08	−13,733
263	83 G. δ Lupi	1921	3,4	15.16. 2,990	+ 3,9293	−40.21.19,00	−13,180
264	ϕ^2 Lupi	1928	4,7	15.17.58,504	+ 3,8246	−36.34. 8,26	−13,051
265	30 o^2 Librae	1931	6,6	15.18.30,518	+ 3,3425	−14.50.45,42	−12,984
266	2 η Coronae borealis	1934	5,1	15.19.51,470	+ 2,4782	+30.34.46,11	−13,092
267	32 ζ^1 Librae	1940	5,9	15.23 41,121	+ 3,3798	−16.26. 6,30	−12,680
268	53 ν^2 Bootis	1950	5,0	15.28.52,947	+ 2,1469	+41.10.24,87	−12,295
269	37 Librae	1954	4,8	15.29.44,889	+ 3,2757	− 9,47.16,15	−12,468
270	40 τ Librae	1960	3,8	15.33.40,607	+ 3,6784	−29.30.44,24	−11,980
271	7 ζ^2 Coronae borealis	1968	4,7	15.36.19,643	+ 2,2593	+36.53.53,02	−11,768
272	43 $\varkappa^*$ Librae	1969	5,0	15.37.16,570	+ 3,4522	−19.25. 2,54	−11,811
273	21 ι Serpentis . . .	1972	4,5	15.37.56,265	+ 2,6732	+19.55.49,07	−11,700
274	45 λ Librae	1994	5,1	15.48.37,729	+ 3,4787	−19.55.33,45	−10,905
275	1 χ Herculis . . .	1995	4,6	15.49.52,463	+ 2,0738	+42.40.38,74	−10,160
276	η Lupi	2004	3,6	15.54.44,963	+ 3,9684	−38. 9.58,76	−10.457
277	5 r Herculis . . .	2013	5,3	15.57.35,867	+ 2,6943	+18. 2.28,46	−10,060
278	16 τ Coronae borealis	2028	4,9	16. 6. 0,526	+ 2,1924	+36.41.44,92	− 9,245
279	14 ν Scorpii	2034	4,2	16. 7.17,088	+ 3,4832	−19.15. 4,60	− 9,498
280	δ^1 Apodis	2035	4,8	16. 8.11,417	+ 8,8656	−78.29.38,70	− 9,433
281	17 σ Coronae borealis	2043	5,4	16.11.38,604	+ 2,2451	+34. 3.45,74	− 9,222
282	55 G. Scorpii	2051	5,4	16.14.25,022	+ 3,7890	−30.42.41,50	− 8,907
283	19 ξ Coronae borealis	2060	4,7	16.18.56,435	+ 2,3369	+31. 4.44,14	− 8,463
284	23 Herculis . . .	2062	6,2	16.19.49,849	+ 2,3018	+32.31.16,06	− 8,503
285	5 ρ Ophiuchi . . .	2066	4,8	16.20 43,490	+ 3,5933	−23.15.40,34	− 8,435
286	30 g Herculis . . .	2079	5,0	16.25.58,824	+ 1,9690	+42. 3.32,43	− 8,012
287	72 G. N Scorpii	2078	4,3	16.26. 5,139	+ 3,9153	−34.31.44,76	− 8,010
288	β Apodis	2087	4,2	16.31.28,470	+ 8,5007	−77.21. 0,98	− 7,900
289	12 Ophiuchi . . .	2091	5,9	16.32. 6,033	+ 3,1490	− 2. 9.10,01	− 7,818
290	42 Herculis . . .	2102	5,1	16.36.32,900	+ 1.6282	+49. 5.10,20	− 7,111
291	40 ζ Herculis . . .	2105	3,0	16.38.13,952	+ 2,2613	+31.44.54,96	− 6,617
292	η Arae . . .	2112	3,7	16.42.46,994	+ 5,1678	−58.53.54,12	− 6.672
293	45 l Herculis . . .	2114	5,3	16.43.47,076	+ 2,9519	+ 5.23.27,37	− 6,589
294	μ^1 Scorpii	2121	3,1	16.46.22,848	+ 4,0596	−37.54.34,58	− 6,359

N° d'ordine	NOME DELLE STELLE	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ′ ″	″
295	47 k Herculis . . .	2122	5,5	16.46.23,349	+ 2,9118	+ 7.23.11,81	− 6,336
296	53 Herculis . . .	2130	5,4	16.49.53,707	+ 2,2740	+31.50. 5,59	− 6,060
297	25 ι Ophiuchi . . .	2131	4,3	16.50.10,463	+ 2,8373	+10.17.51,47	− 6,059
298	30 Ophiuchi . . .	2144	5,0	16.56.47,215	+ 3,1613	− 4. 6. 8,41	− 5,548
299	59 d Herculis . . .	2147	5,3	16.58.36,896	+ 2,2137	+33.41. 4,52	− 5,317
300	36 A Ophiuchi . . .	2166	4,6	17.10.21,876	+ 3,6880	−26.29. 6,22	− 5,451
301	68 u Herculis . . .	2176	var.	17.14.19,951	+ 2,2144	+33.11.11,20	− 3,981
302	69 e Herculis . . .	2178	4,8	17.14.52,578	+ 2,0682	+37.22.31,73	− 3,869
303	72 w Herculis . . .	2182	5,4	17.17.37,670	+ 2,2436	+32.34.15,41	− 4,737
304	146 G. Scorpii	2184	5,1	17.18.20,593	+ 4.3436	−41. 5.10,01	− 3,656
305	75 ρ Herculis . . .	2187	4,1	17.20.53,270	+ 2,0692	+37.13.10,36	− 3,408
306	44 b Ophiuchi . . .	2188	4,3	17.21.25,296	+ 3,6617	−24. 6. 7,65	− 3,490
307	49 σ Ophiuchi . . .	2195	4,4	17.22.29,691	+ 2,9758	+ 4.12.34,79	− 3,262
308	76 λ Herculis . . .	2205	4,5	17.27.27,846	+ 2,4237	+26.10.14,80	− 2,822
309	56 o Serpentis . . .	2230	4,4	17.36.51,685	+ 3,3708	−12.49.59,35	− 2,077
310	3 X Sagittarii . . .	2239	var.	17.42.27,652	+ 3,7749	− 27.48. 4,71	− 1,555
311	88 z Herculis . . .	2251	6,4	17.47.56,124	+ 1,5685	+48.24.55,33	− 1,046
312	168 H.[1] Herculis . . .	2254	6,1	17.49.26,553	+ 1,9515	+39.59.56,55	− 0,874
313	89 Herculis . . .	2256	5,5	17.52. 9,084	+ 2,4196	+26. 3.43,10	− 0,684
314	69 τ Ophiuchi . . .	2272	4,9	17.58.40,239	+ 3.2662	− 8.10.52,66	− 0,157
315	θ Arae.	2276	3,9	18. 0.19,523	+ 4,6697	−50. 5.53,82	− 0,000
316	70 Ophiuchi . . .	2278	4,1	18. 1.21,692	+ 3,0309	+ 2.31. 2,11	− 0,983
317	ε Telescopii . . .	2291	4,6	18. 5.13,022	+ 4,4531	−45.58.11,09	+ 0,419
318	40 Draconis . . .	2297	6,2	18. 6. 6,580	− 4.4773	+79.59.30,25	+ 0,657
319	446 B. Herculis . . .	2317	5,7	18.18.46,008	+ 2,5018	+23.14.35,26	+ 1,715
320	2 μ Lyrae	2321	5,0	18.21.33,677	+ 1,9755	+39.27.44,07	+ 1,873
321	75 G. Sagittarii . . .	2333	5,4	18.25.46,051	+ 3,9361	− 33. 2.38,56	+ 2,197
322	Bradley 2329 .	2341	5,3	18.30.32,279	+ 3,3346	−11. 2.29,63	+ 2,655
323	3 H. Scuti (1 Aquilæ) .	2342	4,1	18.30.47,937	+ 3,2645	− 8.18. 6,68	+ 2,368
324	4 H. Scuti (2 Aquilæ) .	2357	4,7	18.37.50,329	+ 3.2854	− 9. 7.52,08	+ 3,290
325	27 φ Sagittarii . . .	2362	3,3	18.40.35,791	+ 3,7488	−27. 4.30,89	+ 3,529
326	4 ε[1] Lyrae	2364	4,7	18.41.39,311	+ 1,9867	+39.35. 4,06	+ 3,675
327	5 ε[2] Lyrae	2365	4,5	18.41.41,796	+ 1,9896	+39.31.38,13	+ 3,689
328	6 H. Scuti (6 Aquilæ) .	2367	4,5	18.42.52,600	+ 3,1831	− 4.50. 8,40	+ 3,705
329	111 Herculis . . .	2370	4,4	18.43.26,590	+ 2,6484	+18. 5.25.01	+ 3,883
330	204 B. Draconis . . .	2372	5,8	18.44.54,507	+ 1,3412	+52.53.53,74	+ 3,887
331	30 Sagittarii . . .	2374	6,2	18.45.58,350	+ 3,6059	−22.15.21,33	+ 3,970
332	50 Draconis . . .	2381	5,4	18.48.59,733	− 1,9227	+75.20.21,09	+ 4,330
333	40 τ Sagittarii . . .	2405	3,4	19. 1.53,067	+ 3,7470	−27.47.24,29	+ 5,087
334	λ Ursae Minoris .	2418	6,6	19. 0.14,76	− 72,495	+89. 1.12,85	+ 5,216
335	20 Aquilae . . .	2421	5,4	19. 8.17,103	+ 3,2545	− 8. 4.33,84	+ 5,869
336	19 Lyrae	2423	5,8	19. 8.39,570	+ 2,3001	+31. 8.50,50	+ 5,908

68 *u* **Herculis** : variabile da 4.6 a 5,4 ; periodo corto.

3 *X* Sagittarii : variabile da 4,4 a 5,0 ; periodo 7,ᵈ012.

Nº d'ordine	NOME DELLE STELLE	Nº della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ′ ″	″
337	55 Draconis	2427	6,2	19. 9.27,793	+ 0,2292	+65.50.34,42	+ 6,012
338	21 Aquilae	2426	5,1	19. 9.37,609	+ 3,0245	+ 2. 9.17,46	+ 5,991
339	42 ψ Sagittarii	2429	4,9	19.10.34,507	+ 3,6803	−25.23.51,07	+ 6,041
340	159 B. Lyrae	2439	6,7	19.16 15,552	+ 2,0047	+40.12.37,00	+ 6,557
341	β¹ Sagittarii	2441	4,2	19.16.49,069	+ 4,3176	−44.36.44,33	+ 6,575
342	31 b Aquilae	2450	5,2	19.21. 6,476	+ 2,8609	+11.46.11,99	+ 7,578
343	59 G. Telescopii	2451	5,6	19.21.17,883	+ 4,8231	−54.29.17,24	+ 6,978
344	21 B. Vulpeculae	2455	6,2	19.22. 4,605	+ 2,4816	+24.45.56,47	+ 6,394
345	4 Cygni	2458	5,2	19.23.14,096	+ 2,1605	+36. 9.16,49	+ 7,127
346	6 α Vulpeculae	2464	4,6	19.25.20,077	+ 2,4961	+24.29.59,78	+ 7,179
347	36 e Aquilae	2467	5,2	19.26.55,654	+ 3,1375	− 2.57.31,38	+ 7,368
348	8 Cygni	2474	4.9	19.28.45,666	+ 2,2290	+34.16.47,68	+ 7,568
349	38 μ Aquilae	2476	4,7	19.30. 7,955	+ 2.9310	+ 7.12.21,76	+ 7,530
350	4 ε Sagittae	2483	5,7	19.33.37,396	+ 2,7156	+16.16.47,46	+ 7.976
351	44 σ Aquilae	2487	5,2	19.35.11,786	+ 2,9611	+ 5.12.44,10	+ 8,088
352	54 e¹ Sagittarii	2488	5.5	19.36. 5,038	+ 3,4384	−16.28.48,34	+ 8,106
353	14 Cygni	2489	5,4	19.36 48,275	+ 1,9526	+42.37.49,05	+ 8,242
354	6 β Sagittae	2491	4,5	19.37.21,632	+ 2,6939	+17.17.14,65	+ 8,227
355	55 e² Sagittarii	2492	5,1	19.37.53,208	+ 3,4330	−16.18.53,84	+ 8,287
356	10 Vulpeculae	2496	5,5	19.40.20,811	+ 2,4938	+25.34.37,64	+ 8,512
357	56 f Sagittarii	2501	5,1	19.41.38,321	+ 3,5016	−19.57.25,32	+ 8,505
358	ι Sagittarii	2519	4,2	19.49.40,635	+ 4,1447	−42. 4.56,17	+ 9,283
359	61 φ Aquilae	2525	5,3	19.52.24,032	+ 2,8404	+11.12.28,00	+ 9,450
360	21 η Cygni	2526	4,0	19.53.16,016	+ 2,2502	+34.52. 2,24	+ 9,469
361	61 g Sagittarii	2527	5,1	19.53.21,456	+ 3,4039	−15.42.26,26	+ 9.425
362	15 Vulpeculae	2536	4,7	19.57.45,841	+ 2,4700	+27.31.43,92	+ 9,859
363	63 τ Aquilae	2539	5,7	20. 0.10,950	+ 2,9305	+ 7. 2.54,74	+10,058
364	279 G. Sagittarii	2551	5,3	20. 5.52,806	+ 3,9464	−36 18 20,58	+ 8,901
365	28 b² Cygni	2552	4,8	20. 6.25,084	+ 2,2272	+36.36. 1,24	+10,514
366	20 Vulpeculae	2556	5,9	20. 8.36,849	+ 2,5148	+26.14. 9,64	+10,652
367	66 Aquilae	2557	5,6	20. 9. 2,931	+ 3,0986	− 1.15.10,59	+10,676
368	68 Draconis	2559	5,7	20.10.15,521	+ 0, 881	+61.49.58,69	+10,870
369	67 ρ Aquilae	2560	5,0	20.10.31,723	+ 2,7758	+14.56 59,43	+10,860
370	30 o¹ Cygni	2562	5,0	20.10.45,283	+ 1,8861	+46.34.11,56	+10,817
371	5 α¹ Capricorni	2569	4,6	20.13. 9,575	+ 3.3267	−12.45.34,12	+11,008
372	4 Capricorni	2570	6,0	20.13.15,989	+ 3,5276	−22. 3.40,36	+10,976
373	176 B. Cygni	2581	6,1	20.17.19,037	+ 2,1737	+39. 8.49,43	+11,285
374	10 π Capricorni	2587	5,2	20.22.41,188	+ 3,4362	−18,28.41,85	+11,677
375	41 Cygni	2597	4,1	20.26. 5.142	+ 2.4509	+30. 5.50,87	+11,926
376	42 Cygni	2598	5,9	20.26.15.036	+ 2,2884	+36.11. 0,65	+11,933
377	45 ω² Cygni	2599	4,9	20.27.32,996	+ 1,8579	+48.40.43,16	+12,036
378	φ Pavonis	2602	4,8	20.28.52,975	+ 4,9883	−60,51.20,01	+11,958

N° d'ordine	NOME DELLE STELLE	N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
				h m s	s	° ' "	"
379	212 H^{1}. Draconis . . .	2606	6,4	20.30.22,440	− 0,2369	+72.15.26,10	+12,203
380	4 ζ Delphini . . .	2608	4,7	20.31.31,273	+ 2,8046	+14.23.37,84	+12,313
381	29 Vulpeculae . .	2617	4,8	20.34.54,206	+ 2,6784	+20.54.57,55	+12,539
382	12 γ Delphini . . .	2633	4,1	20.42.54,025	+ 2,7832	+15.49.53,36	+12,874
383	3 k Aquarii . . .	2638	4,6	20.43 27,854	+ 3,1664	− 5 19.30,56	+13,077
384	18 ω Capricorni . .	2650	4,2	20.46 59,440	+ 3.5850	−27.13.23,36	+13,333
385	6 μ Aquarii . . .	2653	4,8	20.48.17,177	+ 3,2374	− 9.17.17,46	+13,397
386	7 Aquarii . . .	2661	5,7	20.52 31,417	+ 3,2438	−10. 0.32,31	+13,691
387	γ Microscopii . .	2667	4,7	20.56.19,635	+ 3,6866	−32 34.50,82	+13,950
388	59 f^{1} Cygni	2669	4,9	20.57. 4,248	+ 2,0398	+47.12.15,03	+13,995
389	22 η Capricorni . .	2672	4,9	20.59.47,833	+ 3,4172	−20 10.34,40	+14,118
390	23 θ Capricorni . .	2676	4,3	21. 1.23,771	+ 3 3755	−17.33.20,33	+14,194
391	63 f^{2} Cygni	2685	4,9	21. 3.48,653	+ 2,0661	+47.19.19,84	+14,400
392	5 γ Equulei . . .	2691	4,8	21. 6.24,153	+ 2,9176	+ 9.48.15,98	+14,404
393	3 Piscis Australis .	2693	5,6	21. 8.29,334	+ 3,5623	−27.57. 2,71	+14,551
394	67 σ Cygni	2704	4,3	21.14.13,970	+ 2,3546	+39. 3.16,15	+15,020
395	66 υ Cygni	2705	4,4	21.14.35,213	+ 2,4663	+34 33.21,04	+15,026
396	32 ι Capricorni . .	2676	4,3	21.17.44,331	+ 2,3435	- 17.10.48,96	+15,233
397	69 Cygni	2722	5,8	21.22.28,346	+ 2,4497	+36.19. 0,58	+15,483
398	73 ρ Cygni	2737	4,2	21.30.55,949	+ 2,2543	+45.13.59,31	+15,858
399	72 Cygni	2739	5,0	21.31.27,914	+ 2,4483	+38.10.12,76	+16,072
400	39 ε Capricorni . .	2741	4,7	21.32.32,862	+ 3,3624	−19.49.47,06	+16,036
401	23 ξ Aquarii . . .	2744	4,8	21.33.26,470	+ 3,1953	− 8.13. 5,41	+16,061
402	27 Aquarii (11 Pegasi)	2766	5,5	21.43. 7,561	+ 3,0433	+ 2.18.38,91	+16,572
403	10 ν Cephei	2767	4,5	21.43. 6,681	+ 1,7306	+60.14.47,92	+16,575
404	51 μ Capricorni . . .	2775	5,2	21.48.52,913	+ 3.2733	−13.56. 1.51	+16,862
405	Bradley 2868 .	2779	6,9	21.50.23,200	+ 2,0209	+55.49.48,78	+16,931
406	158 B. Cephei (79 Draconis)	2782	6,6	21.51.50,673	+ 0,7176	+73.19. 8,40	+:7,021
407	13 Cephei	2783	6,0	21.52. 9,683	+ 2,0141	+56.13.37,92	+17,003
408	12 η Piscis Australis .	2794	5,4	21.56.11,242	+ 3,4523	−28.50.34,80	+17,193
409	28 Aquarii	2795	5,8	21.56.56,358	+ 3 0702	+ 0.12.55,32	+17,218
410	16 Cephei	2799	5,2	21.58. 5,966	+ 0,8691	+72.47.39,02	+17,116
411	31 ο Aquarii	2800	4,7	21.59. 7,504	+ 3 1038	− 2.32.49.07	+17,310
412	λ Gruis	2804	4,6	22. 1.14,302	+ 3,6240	−39.56. 5,31	+17,294
413	22 ν Pegasi	2805	4,9	22. 1.35,691	+ 3,0262	+ 4.39.42,81	+17,521
414	28 Pegasi	2822	6,4	22. 6.40,328	+ 2,8325	+20.34.45,51	+17,631
415	1 H. Lacertae . . .	2828	4,6	22.10.24,011	+ 2,5733	+39. 8.45,14	+17,802
416	46 ρ Aquarii . . .	2840	5,4	22.15.50,262	+ 3,1581	− 8.13 42,55	+18,009
417	47 Aquarii . . .	2842	5,4	22.17. 8,188	+ 3,3056	− 22. 0.16,90	+17,973
418	50 Aquarii . . .	2849	5,9	22.20.68.829	+ 3.2159	− 13.56.25,60	+18,187
419	52 π Aquarii . . .	2852	4,6	22.21. 8,432	+ 3,0640	+ 0.57.57,14	+18,212
420	δ Tucanae . . .	2853	4,8	22.21.35,281	+ 4,2973	−65.22.44,33	+18,237

N° d'ordine	NOME DELLE STELLE			N° della lista generale provvisoria	Grandezza	Ascensione retta	Variazione annua	Declinazione	Variazione annua
						h m s	s	° ' "	"
421	55	ζ^{2}	Aquarii . . .	2860	3,8	22.24.39,772	+ 3,0906	— 0. 26.7,08	+18,381
422	38		Pegasi	2865	5,5	22.26.19,382	+ 2,7412	+32. 9.27,26	+18,378
423	57	σ	Aquarii	2866	4,9	22.26.21,726	+ 3,1767	+11. 5.34,73	+18,366
424	17	β	Piscis Australis .	2867	4,4	22.26.54,271	+ 3,4171	+32.45.43,05	+18,396
425	226 B.		Cephei	2874	5,7	22.30.51,341	+ 1,0643	+75.48.32,09	+18,547
426	63	κ	Aquarii	2878	5,3	22.33.33.709	+ 3,1075	— 4.58.46,50	+18,521
427	22	γ	Piscis Australis .	2909	4,5	22.48. 1,649	+ 3,3415	—33.18.19,85	+19,034
428	49	σ	Pegasi	2911	5,3	22.48.17,703	+ 3,0393	+ 9.24.15,25	+19,116
429	52		Pegasi	2924	5,8	22.55. 8,581	+ 2,9998	+11.17.13,71	+19,207
430	4	β	Piscium . . .	2935	4,6	22.59.45,280	+ 3,0528	+ 3.23, 0,97	+19,349
431	83	h^{1}	Aquarii . . .	2938	5,6	23. 0.56,392	+ 3,1295	— 8. 7.52,36	+19,401
432	55		Pegasi	2940	4,7	23. 2.55,368	+ 3,0212	+ 8.58.17,70	+19,413
433	5		Andromedae . .	2945	5,8	23. 4. 4,315	+ 2,7182	+48.51.15,04	+19,578
434	5	A	Piscium . . .	2946	5,6	23. 4.31,958	+ 3,0723	+ 1.44.11,65	+19,571
435		ι	Gruis	2952	4,1	23. 5.16,819	+ 3,4067	- 45.41. 9.27	+19,447
436	59		Pegasi	2954	5,2	23. 7.38,740	+ 3,0276	+ 8.16.47,80	+19,519
437	91	ψ^{1}	Aquarii	2960	4,5	23.11.38,925	+ 3,1445	— 9.31.45,56	+19,588
438	93	ψ^{3}	Aquarii	2968	5,2	23.14.44,949	+ 3,1223	— 10. 5.13,70	+19,658
439	34	o	Cephei	2970	4,9	23.15.17,527	+ 2,4532	+67.40. 5,32	+19,682
440	98	b^{1}	Aquarii . . .	2975	4 2	23.1843,125	+ 3,1537	— 20.32.34,54	+19,628
441	67		Pegasi	2978	5,5	23.20.52,700	+ 2.9316	+31.56.22,57	+19,754
442	10	θ	Piscium . . .	2986	4,5	23.23.51,494	+ 3,0420	+ 5. 56.1,79	+19,754
443	1 H.		Cassiopejac . .	2993	4,9	23.26.17,137	+ 2,7610	+58. 6. 8,42	+19,842
444	39 H.		Cephei	2995	5,6	23.27.45,19	— 0,247	+86 51.38,45	+19,865
445	101	b^{3}	Aquarii	3001	4,8	23.29. 2,414	+ 3,1426	— 2[illegible].21.44,20	+19,879
446	14		Piscium . . .	3004	6,0	23.29.59,133	+ 3,0849	— 1.41.42,12	+19,865
447	15		Andromedae . .	3005	5,5	23.30.39,544	+ 2,9295	+39.47.23,04	+19,841
448		ι	Phoenicis . . .	3006	4,8	23.30.43,330	+ 3,2341	- 43. 3.47,69	+19,873
449	19	κ	Andromedae . .	3021	4,3	23.36.24,784	+ 2,9480	+43.53. 6,76	+19,915
450	18	λ	Piscium . . .	3024	4,6	23.37.54,765	+ 3,0605	+ 1.20. 3,15	+19,808
451	106	i^{1}	Aquarii	3027	5,3	23.40. 0,114	+ 3,1141	—18.43.35,82	+19,969
452	20	ψ	Andromedae . .	3029	5,1	23.42. 0,899	+ 2,9655	+45.58.13,50	+19,966
453	19		Piscium . . .	3030	5,3	23.42.15,072	+ 3,0638	+ 3. 2.14,19	+19,965
454	25		Piscium . . .	3044	6,2	23.48.55,781	+ 3.0717	+ 1.38.24,60	+20,016
455			Groombridge 4163	3046	6,6	23.50.52,227	+ 2,8848	+73.57.34,12	+20,023
456	84	ψ	Pegasi	3050	4,8	23.53.37,674	+ 3,0525	+21.41.27,72	+20,001
457	30		Piscium . . .	3061	4,7	23.57.48,342	+ 3,0769	— 6.27.51,24	+20,011

1 α Ursae Minoris. Gr. 2,1

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Gennaio			Febbraio			Marzo			Aprile			Maggio			Giugno		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	1.31	88.52		1.30	88.52		1.30	88.52		1.30	88.52		1.30	82.52		1.31	88.52
	s	″		s	″		s	″		s	″		s	″		s	″
0	49,56	44,94	1	75,44	46,11	1	49,45	41,73	1	34,67	32,94	1	40,02	23,37	1	2,26	16,41
1	48,60	45,10	2	74,26	46,03	2	48,59	41,49	2	34,63	32,60	2	40,61	23,12	2	3,08	16,27
2	47,57	45,26	3	73,11	45,93	3	47,79	41,23	3	34,66	32,28	3	41,13	22,88	3	3,89	16,11
3	46,48	45,41	4	72,02	45,81	4	47,08	40,95	4	34,71	31,98	4	41,60	22,64	4	4,72	15,94
4	45,34	45,56	5	71,02	45,68	5	46,46	40,68	5	34,75	31,70	5	42,03	22,40	5	5,61	15,78
5	44,18	45,68	6	70,09	45,55	6	45,90	40,41	6	34,75	31,42	6	42,43	22,14	6	6,56	15,60
6	43,02	45,77	7	69,22	45,47	7	45,40	40,14	7	34,69	31,15	7	42,85	21,88	7	7,54	15,42
7	41,89	45,83	8	68,36	45,32	8	44,90	39,93	8	34,58	30,87	8	43,32	21,60	8	8,61	15,26
8	40,82	45,87	9	67,50	45,23	9	44,39	39,71	9	34,46	30,56	9	43,86	21,30	9	9,70	15,11
9	39,82	45,92	10	66,59	45,14	10	43,82	39,49	10	34,33	30,23	10	44,46	21,01	10	10,82	14,98
10	38,87	45,97	11	65,62	45,05	11	43,19	39,25	11	34,25	29,90	11	45,13	20,72	11	11,93	14,86
11	37,97	46,03	12	64,58	44,95	12	42,52	39,01	12	34,22	29,56	12	45,85	20,45	12	13,04	14,76
12	37,06	46,11	13	63,51	44,83	13	41,84	38,76	13	34,25	29,19	13	46,61	20,20	13	14,12	14,67
13	36,11	46,20	14	62,42	44,70	14	41,17	38,48	14	34,36	28,83	14	47,38	19,96	14	15,17	14,60
14	35,09	46,30	15	61,35	44,54	15	40,54	38,14	15	34,52 / 34,70	28,49 / 28,16	15	48,16	19,72	15	16,17	14,53
15	34,00	46,38	16	60,33	44,35	16	39,97	37,86	16	35,00	27,84	16	48,94	19,50	16	17,14	14,46
16	32,85	46,45	17	59,36	44,14	17	39,47	37,54	17	35,28	27,54	17	49,70	19,29	17	18,09	14,38
17	31,61	46,50	18	58,44	43,92	18	39,04	37,20	18	35,36	27,24	18	50,42	19,08	18	19,05	14,30
18	30,43	46,54	19	57,58	43,71	19	38,66	36,87	19	35,83	26,95	19	51,11	18,88	19	20,01	14,20
19	29,24	46,54	20	56,77	43,50	20	38,33	36,56	20	36,08	26,67	20	51,77	18,68	20	21,04	14,10
20	28,08	46,51	21	55,99	43,30	21	38,03	36,25	21	36,31	26,39	21	52,43	18,46	21	22,14	14,00
21	26,96	46,47	22	55,23	43,11	22	37,74	35,96	22	36,51	26,1:	22	53,11	18,24	22	23,33	13,91
22	25,90	46,43	23	54,48	42,92	23	37,45	35,69	23	36,69	25,81	23	53,83	18,01	23	24,56	13,85
23	24,87	46,39	24	53,72	42,73	24	37,15	35,42	24	36,88	25,51	24	54,62	17,77	24	25,83	13,81
24	23,88	46,34	25	52,93	42,54	25	36,84	35,14	25	37,12	25,19	25	55,51	17,54	25	27,08	13,79
25	22,90	46,30	26	52,09	42,35	26	36,48	34,86	26	37,41	24,87	26	56,47	17,32	26	28,29	13,80
26	21,92	46,24	27	51,22	42,16	27	36,10	34,57	27	37,80	24,55	27	57,49	17,12	27	29,43	13,82
27	20,94	46,24	28	50,33	41,86	28	35,71	34,27	28	38,28	24,23	28	58,53	16,95	28	30,51	13,85
28	19,92	46,23	29	49,15	41,73	29	35,36	33,95	29	38,83	23,93	29	59,55	16,81	29	31,54	13.87
29	18,87	46,21				30	35,05	33,62	30	39,42	23,64	30	60,51	16,67	30	32,54	13.87
30	17,76	46,20				31	34,81	33,28	31	40,02	23,37	31	61,41	16,54	31	33,56	13,85
31	16,61	46,17				32	34,67	32,94				32	62,26	16,41			
32	15,44	46,11															

1919,0 Posizione media $\begin{cases} \alpha = 1^{h}.31^{m}.11^{s},81 \\ \delta = +88°.52'.20'',38 \end{cases}$

1 α Ursae Minoris. Gr. 2,1

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Luglio			Agosto			Settembre			Ottobre			Novembre			Dicembre		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	1.31	88.52		1.32	88.52		1.32	88.52		1.32	88.52		1.32	88.52		1.32	88.52
	s	″		s	″		s	″		s	″		s	″		s	″
1	33,56	13,85	1	8,57	16,14	1	39,14	23,10	1	58,32	33,09	1	63,07	44,70	1	51,60	54,77
2	34,58	13,82	2	9,73	16,28	2	40,04	23,43	2	58,71	33,48	2	62,83	45,07	2	50,95	55,03
3	35,67	13,79	3	10,90	16,43	3	40,89	23,72	3	59,05	33,86	3	62,59	45,42	3	50,35	55,29
4	36,82	13,77	4	12,07	16,59	4	41,70	24,04	4	59,33	34,25	4	62,39	45,75	4	49,79	55,55
5	38,00	13,75	5	13,23	16,77	5	42,46	24,37	5	59,57	34,63	5	62,23	46,07	5	49,24	55,81
6	39,23	13,74	6	14,37	16,97	6	43,15	24,70	6	59,81	34,99	6	62,12	46,41	6	48,69	56,10
7	40,48	13,75	7	15,46	17,19	7	43,80	25,03	7	59,05	35,34	7	62,04	46,76	7	48,10	56,41
8	41,71	13,79	8	16,50	17,41	8	44,44	25,34	8	60,34	35,68	8	61,97	47,14	8	47,43	56,72
9	42,94	13,82	9	17,50	17,62	9	45,07	25,64	9	60,68	36,01	9	61,87	47,53	9	46.68	57,03
10	44,15	13,90	10	18,45	17,83	10	45,74	25,92	10	61,06	36,35	10	61.71	47,93	10	45,84	57,33
11	45,31	13,99	11	19,36	18,04	11	46,45	26,20	11	61,47	36,72	11	61,46	48,32	11	44.95	57.60
12	46,43	14,08	12	20,26	18,24	12	47,22	26,49	12	61,87	37,10	12	61,11	48,71	12	44,09	57,84
13	47,51	14,08	13	21,17	18,42	13	48,03	26,79	13	62,12	37,50	13	60,69	49,08	13	43,11	58,06
14	48,56	14,13	14	22,14	18,61	14	48,85	27,12	14	62,51	37,92	14	60,23	49,43	14	42,24	58,25
15	49,56	14,20	15	23,16	18,79	15	49,65	27,47	15	62,70	38,35	15	59,73	49,76	15	41,39	58,45
16	50,59	14,28	16	24,25	19,00	16	50,40	27,85	16	62,81	38,76	16	59,29	50,08	16	40,59	58,65
17	51,66	14,38	17	25,37	19,22	17	51,06	28,22	17	62,95	39,14	17	58,86	50,40	17	39,81	58,77
18	52,78	14,45	18	26,49	19,44	18	51,61	28,60	18	62,86	39,52	18	58,47	50,70	18	39,03	59,04
19	53,97	14,49	19	27,59	19,69	19	52,16	28,97	19	62,87	39,89	19	58,16	51,01	19	38,25	59,25
20	55,22	14,56	20	28,62	19,97	20	52,61	29,32	20	62,80	40,24	20	57,76	51,32	20	37,44	59,45
21	56,51	14,66	21	29,58	20,25	21	53,06	29,67	21	62,98	40,58	21	57,37	51,64	21	36,60	59,67
22	57,79	14,79	22	30,46	20,53	22	53,72	30,00	22	63,08	40,93	22	57,00	51,96	22	35,71	59,88
23	59,03	14,93	23	31,27	20,81	23	54,01	30,32	23	63,21	41,28	23	56,59	52,28	23	34,76	60,10
24	60,21	15,09	24	32,06	21,07	24	54,54	30,63	24	63,34	41,64	24	56,12	52,61	24	33,77	60,30
25	61,32	15,24	25	32,85	21,33	25	55,10	30,95	25	63,45	42,00	25	55,60	52,94	25	32,73	60,48
26	62,35	15,43	26	33,66	21,57	26	55,69	31,27	26	63,55	42,37	26	52,02	53,28	26	31,66	60,66
27	63,35	15,58	27	34,51	21,81	27	56,27	31,61	27	63,61	42,75	27	54,40	53,61	27	30,57	60,81
28	64,33	15,70	28	35,41	22,05	28	56,83	31,96	28	63,61	43,14	28	53,73	53,92	28	29,50	60,95
29	65,33	15,81	29	36,34	22,30	29	57,37	32,33	29	63,56	43,54	29	53,02	54,22	29	28,47	61,08
30	66,36	15,92	30	37,27	22,56	30	57,87	32,71	30	63,45	43,94	30	52,30	54,51	30	27,50	61,19
31	67,45	16,03	31	38,21	22,82	31	58,32	33,09	31	63,28	44,33	31	51,60	54,77	31	26,58	61,30
32	68,57	16,14	32	39,14	23,10				32	63,07	44,70				32	25,70	61,42

1919,0 Posizione media $\begin{cases} \alpha = 1^{h}.31^{m}.11^{s},81 \\ \delta = +88^{\circ}.52'.20'',38 \end{cases}$

51 (Hevelius) Cephei. Gr. 5,3

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Gennaio			**Febbraio**			**Marzo**			**Aprile**			**Maggio**			**Giugno**		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	7. 3	87.10		7. 3	87.10		7. 3	87.10		7. 3	87.10		7. 2	87.10		7. 2	87.10
	s	″		s	″		s	″		s	″		s	″		s	″
0	38,77	35,96	1	38,94	45,95	1	32,05	52,90	1	19,62	56,10	1	67,49	53,73	1	59,22	46,69
1	38,89	36,26	2	38,79	46,27	2	31,68	53,12	2	19,16	56,01	2	67,18	53,54	2	59,10	46,14
2	39,07	36,57	3	38,60	46,58	3	31,28	53,31	3	18,68	56,07	3	66,89	53,34	3	58,94	46,19
3	39,23	36,91	4	38,38	46,88	4	30,88	53,48	4	18,35	56,02	4	66,61	53,20	4	58,78	45,94
4	39,36	37,25	5	38,16	47,54	5	30,48	53,62	5	17,97	55,97	5	66,33	53,06	5	58,60	45,68
5	39,47	37,60	6	37,95	47,38	6	30,10	53,74	6	17,61	55,95	6	66,02	52,90	6	58,40	45,40
6	39,52	37,94	7	37,76	47,62	7	29,75	53,85	7	17,24	55,94	7	65,69	52,75	7	58,21	45,09
7	39,58	38,27	8	37,60	47,85	8	29,42	53,97	8	16 87	55,94	8	65,33	52,59	8	58,03	44,78
8	39,60	38,57	9	37,45	48,10	9	29,10	54,11	9	16,46	55,95	9	64,97	52,42	9	57,87	44,45
9	39,62	38,80	10	37,30	48,36	10	28,78	54,26	10	16,03	55,95	10	64,59	52,23	10	57,74	44,12
10	39,67	39,13	11	37,14	48,63	11	28,46	54,41	11	15,58	55,94	11	64,22	52,01	11	57,62	43,80
11	39,73	39,40	12	36,97	48,91	12	28,10	54,58	12	15,11	55,91	12	63,87	51,79	12	57,53	43,47
12	39,80	39,68	13	36,76	49,21	13	27,72	54,75	13	14,63	55,85	13	63,53	51,56	13	57,47	43,14
13	39,88	39,98	14	36,52	49,51	14	27,31	54.91	14	14,17	55,78	14	63,23	51,31	14	57,43	42,83
14	39,98	40,29	15	36,24	49,79	15	26,86	55,06	15	13,88	55,69	15	62,94	51,06	15	57,40	42,54
15	40,06	40,62	16	35,94	50,06	16	26,41	55,38	16	13,50	55,58	16	62,68	50,80	16	57.37	42,25
16	40,10	40,95	17	35.63	50,31	17	25,96	55,27	17	12,86	55,47	17	62,43	50,56	17	57,33	41,98
17	40,12	41,31	18	35,30	50,55	18	25,51	55,36	18	12,46	55,36	18	62,20	50,34	18	57,29	41,70
18	40,09	41,66	19	34,99	50,77	19	25,06	55,43	19	12,08	55,26	19	61,98	50,11	19	57,22	41,41
19	40,03	42,01	20	34,68	50,97	20	24,63	55,49	20	11,72	55,14	20	61,76	49,88	20	57,13	41,12
20	39,95	42,34	21	34,37	51,17	21	24,22	55,54	21	11,36	55,04	21	61,52	49,66	21	57,05	40,81
21	39,87	42,65	22	34,08	51,36	22	23,82	55,59	22	11,01	54,94	22	61,26	49,45	22	56,98	40,47
22	39,77	42,95	23	33,80	51,56	23	23,43	55,64	23	10,65	54,87	23	60,99	49,23	23	56,93	40,12
23	39,67	43,24	24	33.53	51,77	24	23,05	55,71	24	10,27	54,78	24	60,72	49,00	24	56,91	39,75
24	39,57	43,52	25	33,27	51,98	25	22,67	55,78	25	9,88	54,70	25	60,45	48,75	25	56,94	39,38
25	39,50	43,79	26	32,99	52,21	26	22,29	55,85	26	9,46	54,59	26	60,18	48,47	26	57,00	39,03
26	39,43	44,06	27	32,71	52,44	27	21,90	55,93	27	9,03	54,46	27	59,95	48,17	27	57,08	39,69
27	39,37	44,34	28	32,10	52,68	28	21,48	56,01	28	8,60	54,31	28	59,75	47,85	28	57,17	39,38
28	39,31	44,65	29	32.05	52,90	29	21,03	56,07	29	8,20	54,13	29	59.58	47,54	29	57,25	39,08
29	39,25	44,97				30	20,56	56,12	30	7,83	53,94	30	59,45	47,24	30	57,32	38,79
30	39,18	44,29				31	20,08	56,13	31	7,49	53,73	31	59.33	46,96	31	57,36	38,50
31	39,08	44,62				32	19,62	56,13				32	59,22	46,69			
32	38,94	44,95															

1919,0 Posizione media $\begin{cases} \alpha = 7^{h}.3^{m}.2^{s},80 \\ \delta = +87^{\circ}.10'.43'',66 \end{cases}$

51 (Hevelius) Cephei. Gr. 5,3

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
	Luglio			**Agosto**			**Settembre**			**Ottobre**			**Novembre**			**Dicembre**	
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	7. 2	87.10		7. 3	87.10		7. 3	87.10		7. 3	87.10		7. 3	87.10		7. 3	87.10
	s	″		s	″		s	″		s	″		s	″		s	″
1	57,36	37,50	1	2,43	27,49	1	13,53	19,65	1	28,02	15,43	1	44,03	15,54	1	57,23	20,09
2	57,39	37,21	2	2,67	27,18	2	14,00	19,43	2	28,58	15,37	2	44,51	15,65	2	57,55	20,30
3	57,41	36,91	3	2,94	26,86	3	14,47	19,23	3	29,12	15,33	3	44,97	15,76	3	57,87	20,51
4	57,42	36,60	4	3,23	26,55	4	14,95	19,04	4	29,65	15,31	4	45,41	15,86	4	58,21	20,71
5	57,45	36,36	5	3,53	26,24	5	15,44	18,86	5	30,17	15,29	5	45,85	15,95	5	58,57	20,89
6	57,48	35,96	6	3,86	25,94	6	15,92	18,70	6	30,66	15,27	6	46,30	16,01	6	58,95	21,02
7	57,55	35,57	7	4,21	25,65	7	16,38	18,56	7	31,14	15,23	7	46,77	16,08	7	59,35	21,30
8	{57,63 {57,74	{35,22 {34,88	8	4,56	25,38	8	16,83	18,41	8	31,61	15,19	8	47,27	16,15	8	59,75	21,53
9	57,87	34,54	9	4,92	25,13	9	17,26	18,27	9	32,08	15,13	9	47,80	16,23	9	60,14	21,80
10	58,03	34,20	10	5,27	24,90	10	17,69	18,11	10	32,57	15,05	10	48,34	16,32	10	60,49	22,08
11	58,20	33,87	11	5,60	24,66	11	18,10	17,94	11	33,10	14,98	11	48,88	16,44	11	60,82	22,37
12	58,37	33,57	12	5,91	24,42	12	18,53	17,75	12	33,65	14,92	12	49,39	16,59	12	61,10	22,66
13	58,54	33,28	13	6,21	24,18	13	18,98	17,56	13	34,22	14,88	13	49,89	16,77	13	61,36	22,94
14	58,71	32,99	14	6,51	23,93	14	19,46	17,37	14	34,81	14,86	14	50,34	16,96	14	61,60	23,22
15	58,86	32,70	15	6,81	23,65	15	19,99	17,18	15	35,39	14,86	15	50,78	17,13	15	61,83	23,47
16	58,98	32,41	16	7,13	23,37	16	20,53	17,03	16	35,96	14,88	16	51,18	17,30	16	62,05	23,72
17	59,10	32,10	17	7,49	23,08	17	21,08	16,89	17	36,49	14,92	17	51,56	17,46	17	62,29	23,96
18	59,23	31,77	18	7,88	22,79	18	21,63	16,78	18	36,99	14,96	18	51,95	17,61	18	62,53	24,20
19	59,36	31,43	19	8,30	22,52	19	22,15	16,68	19	37,47	15,00	19	52,35	17,75	19	62,78	24,45
20	59,52	31,08	20	8,74	22,27	20	22,64	16,59	20	37,94	15,03	20	52,75	17,89	20	63,04	24,71
21	59,73	30,74	21	9,19	22,03	21	23,12	16,56	21	38,39	15,05	21	53,17	18,03	21	63,30	24,99
22	59,98	30,40	22	9,63	21,81	22	23,58	16,42	22	38,86	15,06	22	53,61	18,18	22	63,56	25,28
23	60,25	30,06	23	10,04	21,62	23	24,05	16,32	23	39,34	15,07	23	54,05	18,34	23	63,82	25,58
24	60,54	29,76	24	10,43	21,43	24	24,47	16,20	24	39,83	15,07	24	54,49	18,51	24	64,06	25,90
25	60,82	29,44	25	10,80	21,24	25	24,93	16,07	25	40,34	15,08	25	54,94	18,71	25	64,27	26,22
26	61,09	29,17	26	11,17	21,04	26	25,40	15,94	26	40,86	15,10	26	55,37	18,92	26	64,46	26,55
27	61,34	28,92	27	11,52	20,83	27	25,89	15,82	27	41,40	15,14	27	55,79	19,15	27	64,61	26,88
28	61,58	28,66	28	11,88	20,59	28	26,41	15,71	28	41,94	15,18	28	56,18	19,38	28	64,75	27,20
29	61,79	28,39	29	12,26	20,34	29	26,94	15,60	29	42,48	15,25	29	56,56	19,61	29	64,87	27,51
30	62,00	28,10	30	12,67	20,10	30	27,48	15,51	30	43,01	15,33	30	56,91	19,85	30	64,98	27,80
31	62,21	27,80	31	13,09	19,87	31	28,02	15,43	31	43,53	15,44	31	57,23	20,09	31	65,10	28,07
32	62,43	27,49	32	13,53	19,65				32	44,03	15,54				32	65,23	28,32

1919,0 Posizione media $\alpha = 7^h.3^m.2^s,80$; $\delta = +87°.10'.43'',66$

6 (Bode) Ursae Minoris. Gr. 6,3

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Gennaio			Febbraio			Marzo			Aprile			Maggio			Giugno		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	12.14	88. 8		12.14	88. 8		12.14	88. 8		12.14	88. 8		12.14	88. 8		12.14	88. 8
	s	″		s	″		s	″		s	″		s	″		s	″
0	26,28	29,35	1	47,06	31,48	1	59,18	38,03	1	61,77	47,79	1	52,96	56,17	1	35,91	60,93
1	26,98	29,28	2	47,68	31,67	2	59,50	38,35	2	61,56	48,10	2	52,47	56,37	2	35,36	60,99
2	27,72	29,22	3	48,25	31,87	3	59,75	38,68	3	61,34	48,40	3	52,12	56,55	3	34,81	61,07
3	28,48	29,18	4	48,77	32,08	4	59,96	39,01	4	61,13	48,68	4	51,60	56,75	4	34,24	61,15
4	29,24	29,15	5	49,24	32,29	5	60,22	39,32	5	60,95	48,95	5	51,20	56,95	5	33,63	61,24
5	29,99	29,17	6	49,67	32,50	6	60,26	39,62	6	60,80	49,22	6	50,81	57,15	6	32,99	61,33
6	30,71	29,20	7	50,10	32,69	7	60,39	39,90	7	60,68	49,49	7	50,40	57,36	7	32,31	61,40
7	31,39	29,25	8	50,54	32,85	8	60,54	40,17	8	60,57	49,78	8	49,95	57,59	8	31,61	61,47
8	32,03	29,30	9	51,00	33,00	9	60,72	40,40	9	60,44	50,08	9	49,47	57,82	9	30,89	61,51
9	32,62	29,35	10	51,50	33,20	10	60,92	40,70	10	60,29	50,40	10	48,95	58,05	10	30,18	61,54
10	33,20	29,38	11	52,03	33,39	11	61,15	40,99	11	60,11	50,75	11	48,39	58,28	11	29,47	61,55
11	33,79	29,39	12	52,58	33,59	12	61,38	41,29	12	59,88	51,08	12	47,80	58,49	12	28,78	61,56
12	34,39	29,40	13	53,13	33,80	13	61,60	41,61	13	59,61	51,42	13	47,21	58,68	13	28,10	61,55
13	35,03	29,40	14	53,66	34,04	14	61,78	41,94	14	59,30	51,74	14	46,67	58,86	14	27,45	61,53
14	35,72	29,41	15	54,15	34,30	15	61,92	42,28	15	58,97	52,05	15	46,06	59,02	15	26,84	61,50
15	36,44	29,44	16	54,59	34,58	16	62,02	42,64	16	58,61	52,34	16	45,40	59,16	16	26,24	61,47
16	37,17	29,50	17	55,00	34,86	17	62,07	42,99	17	58,25	52,62	17	44,85	59,29	17	25,65	61,46
17	37,90	29,58	18	55,37	35,14	18	62,10	43,34	18	57,90	52,89	18	44,31	59,42	18	25,06	61,46
18	38,62	29,69	19	55,70	35,42	19	62,10	43,67	19	57,55	53,14	19	43,79	59,54	19	24,46	61,46
19	39,30	29,81	20	56,03	35,70	20	62,08	44,00	20	57,22	53,38	20	43,28	59,67	20	23,83	61,46
20	39,93	29,93	21	56,35	35,96	21	62,05	44,31	21	56,91	53,62	21	42,78	59,81	21	23,16	61,46
21	40,53	30,06	22	56,67	36,21	22	62,03	44,61	22	56,62	53,88	22	42,26	59,97	22	22,44	61,43
22	41,11	30,19	23	56,99	36,45	23	62,03	44,91	23	56,34	54,14	23	41,71	60,13	23	21,70	61,39
23	41,67	30,32	24	57,33	36,69	24	62,03	45,20	24	56,05	54,41	24	41,11	60,35	24	21,10	61,33
24	42,22	30,45	25	57,69	36,91	25	62,05	45,50	25	55,73	54,68	25	40,48	60,44	25	20,51	61,24
25	42,77	30,56	26	58,06	37,18	26	62,09	45,80	26	55,37	54,96	26	39,80	60,57	26	19,90	61,13
26	43,33	30,68	27	58,34	37,45	27	62,13	46,11	27	54,96	55,23	27	39,10	60,66	27	19,14	61,01
27	43,91	30,79	28	58,82	37,73	28	62,15	46,44	28	54,49	55,49	28	38,40	60,74	28	18,54	60,89
28	44,50	30,90	29	59,18	38,03	29	62,13	46,78	29	53,99	55,74	29	37,72	60,80	29	17,81	60,79
29	45,13	31,02				30	62,07	47,12	30	53,48	55,96	30	37,08	60,85	30	17,15	60,71
30	45,77	31,16				31	61,95	47,46	31	52,96	56,17	31	36,48	60,89	31	16,57	60,63
31	46,42	31,31				32	61,77	47,79				32	35,91	60,93			
32	47,06	31,48															

1919,0 Posizione media $\begin{cases} \alpha = 12^h.14^m.29^s,27 \\ \delta = +88^\circ.8'.56'',18 \end{cases}$

6 (Bode) Ursae Minoris. Gr. 6,3

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Luglio			**Agosto**			**Settembre**			**Ottobre**			**Novembre**			**Dicembre**		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	12.13	88. 8		12.13	88. 8		12.13	88. 8		12.13	88. 8		12.13	88. 8		12.14	88. 8
	s	″		s	″		s	″		s	″		s	″		s	″
1	76,57	60,63	1	58,36	55,31	1	45,84	45,93	1	41,94	34,33	1	47,82	22,89	1	1,81	14,46
2	75,98	60,56	2	57,79	55,10	2	45,53	45,56	2	42,02	33,93	2	48,21	22,58	2	2,36	14,29
3	75,35	60,50	3	57,22	54,86	3	45,25	45,19	3	42,13	33,54	3	48,69	22,24	3	2,88	14,09
4	74,69	60,42	4	56,67	54,60	4	45,01	44,82	4	42,25	33,16	4	48,94	21,88	4	3,38	13,88
5	74,01	60,34	5	56,13	54,33	5	44,80	44,45	5	42,38	32,79	5	49,26	21,52	5	3,90	13,68
6	73,32	60,24	6	55,61	54,04	6	44,64	44,08	6	42,50	32,42	6	49,56	21,18	6	4,40	13,46
7	72,62	60,12	7	55,13	53,74	7	44,48	43,70	7	42,59	32,06	7	49,85	20.88	7	5,04	13,23
8	71,93	59,98	8	54,68	53,44	8	44,34	43,34	8	42,65	31,71	8	50,17	20,58	8	5,69	13,01
9	71,26	59,83	9	54,26	53,14	9	44,20	42,99	9	42,69	31,35	9	50,53	20,32	9	6,37	12,80
10	70,62	59,67	10	53,87	52,85	10	44,04	42,65	10	42,71	30,98	10	50,94	19,97	10	7,08	12,62
11	70,00	59,51	11	53,51	52,57	11	43,86	42,32	11	42,75	30,57	11	51,40	19,62	11	7,79	12,46
12	69,41	59,34	12	53,14	52,30	12	43,64	41,98	12	42,82	30,16	12	51,90	19,29	12	8,48	12,33
13	68,85	59,16	13	52,76	52,04	13	43,39	41,62	13	42,94	29,74	13	52,43	18,98	13	9,15	12,21
14	68,31	58,98	14	52,36	51,78	14	43,14	41,24	14	43,11	29,32	14	52,96	18,70	14	9,78	12,11
15	67,79	58,81	15	51,91	51,51	15	42,92	40,85	15	43,33	28,92	15	53,47	18,43	15	10,40	12,00
16	67,25	58,66	16	51,43	51,22	16	42,73	40,42	16	43,58	28,54	16	53,94	18,19	16	10,99	11,89
17	66,69	58,51	17	50,94	50,92	17	42,60	40,00	17	43,84	28,18	17	54,39	17,94	17	11,57	11,77
18	66,10	58,35	18	50,47	50,60	18	42,53	39,59	18	44,11	27,82	18	54,82	17,68	18	12,17	11,64
19	65,48	58,25	19	50,03	50,25	19	42,49	39,19	19	44,36	27,48	19	55,25	17,42	19	12,84	11,51
20	64,82	58,02	20	49,62	49,89	20	42,48	38,80	20	44,58	27,14	20	55,69	17,16	20	13,46	11,38
21	64,16	57,73	21	49,26	49,53	21	42,48	38,44	21	44,77	26,80	21	56,13	16,88	21	14,07	11,26
22	63,51	57,61	22	48,96	49.18	22	42,45	38,08	22	44,94	26,46	22	56,59	16.60	22	14,76	11,15
23	62,89	57,37	23	48,69	48,83	23	42,40	37,74	23	45,12	26,11	23	57,09	16,32	23	15,47	11,05
24	62,32	57,12	24	48,43	48,50	24	42,34	37,40	24	45,31	25,76	24	57,62	16,05	24	16,20	10,96
25	61,80	56,87	25	48,16	48,17	25	{ 42,25 / 42,15	{ 37,05 / 36,68	25	45,52	25,40	25	58,18	15,79	25	16,94	10,88
26	61,32	56,62	26	47,87	47,87	26	42,06	36,31	26	45,73	25,04	26	58,77	15,54	26	17,68	10,82
27	60,86	56,38	27	47,56	47,58	27	41,98	35,93	27	46,03	24,68	27	59,38	15,29	27	18,41	10,79
28	60,40	56,16	28	47,22	47,27	28	41,92	35,54	28	46,33	24,31	28	60,01	15,07	28	19,11	10,76
29	59,93	55,94	29	46,87	46.96	29	41,90	35,14	29	46,66	23,94	29	60,63	14,86	29	19,77	10,73
30	59,44	55,73	30	46,52	46,63	30	41,90	34,73	30	47,03	23,58	30	61,24	14,65	30	20,39	10,70
31	58,91	55,52	31	46,17	46,29	31	41,94	34,33	31	47,42	23,22	31	61,81	14,46	31	20,99	10,67
32	58,36	55,31	32	45,84	45,93				32	47,82	22,89				32	21,58	10,64

1919,0 Posizione media $\begin{cases} \alpha = 12^h.14^m.29^s,27 \\ \delta = +88^\circ.8'.56'',18 \end{cases}$

λ Ursae Minoris. Gr. 6,6

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Gennaio			Febbraio			Marzo			Aprile			Maggio			Giugno		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	18.58	89. 1		18.58	89. 1		18.58	89. 0		18.59	89. 1		19. 0	89. 1		19. 0	89. 1
	s	″		s	″		s	″		s	″		s	″		s	″
0	34,99	20,19	1	36,38	9,60	1	57,82	62,63	1	34,39	59,67	1	9,52	2,42	1	33,75	9,80
1	34,53	19,87	2	36,93	9,27	2	58,94	62,42	2	35,67	59,71	2	10,42	2,62	2	34,08	10,07
2	34,07	19,55	3	37,56	8,96	3	60,11	62,24	3	36,87	59,77	3	11,49	2,80	3	34,65	10,33
3	33,65	19,21	4	38,22	8,67	4	61,28	62,09	4	38,00	59,83	4	12,13	2,97	4	35,17	10,59
4	33,29	18,85	5	38,89	8,41	5	62,42	61,96	5	39,09	59,86	5	13,01	3,13	5	35,73	10,87
5	33,01 / 32,83	18,49 / 18,14	6	39,53	8,17	6	63,51	61,84	6	40,16	59,87	6	13,94	3,28	6	36,30	11,16
6	32,74	17,80	7	40,12	7,93	7	64,54	61,73	7	41,25	59,88	7	14,93	3,44	7	36,84	11,47
7	32,70	17,48	8	40,65	7,70	8	65,52	61,61	8	42,40	59,88	8	15,97	3,62	8	37,34	11,80
8	32,69	17,17	9	41,15	7,45	9	66,49	61,48	9	43,62	59,89	9	17,04	3,80	9	37,78	12,14
9	32,67	16,87	10	41,65	7,17	10	67,41	61,33	10	44,90	59,90	10	18,10	4,01	10	38,15	12,48
10	32,61	16,58	11	42,18	6,87	11	68,46	61,16	11	46,23	59,93	11	19,14	4,24	11	38,47	12,82
11	32,59	16,30	12	42,78	6,57	12	69,55	60,99	12	47,58	59,98	12	20,13	4,48	12	38,71	13,16
12	32,33	16,00	13	43,48	6,28	13	70,71	60,84	13	48,93	60,06	13	21,07	4,72	13	38,91	13,49
13	32,15	15,68	14	44,26	5,98	14	71,95	60,69	14	50,25	60,15	14	21,95	4,97	14	39,06	13,81
14	31,99	15,34	15	45,13	5,69	15	73,24	60,57	15	51,54	60,26	15	22,77	5,23	15	39,19	14,12
15	31,88	15,00	16	46,05	5,43	16	74,56	60,45	16	52,68	60,37	16	23,54	5,49	16	39,33	14,41
16	31,87	14,64	17	46,98	5,23	17	75,88	60,37	17	53,97	60,49	17	24,26	5,75	17	39,48	14,69
17	31,95	14,28	18	47,93	4,96	18	77,18	60,30	18	55,11	60,60	18	24,95	5,99	18	39,67	14,97
18	32,12	13,94	19	48,87	4,76	19	78,46	60,24	19	56,21	60,72	19	25,62	6,23	19	39,88	15,26
19	32,37	13,60	20	49,79	4,55	20	79,69	60,19	20	57,27	60,84	20	26,31	6,46	20	40,12	15,57
20	32,66	13,27	21	50,69	4,35	21	80,89	60,15	21	58,31	60,95	21	27,03	6,68	21	40,37	15,91
21	32,98	12,96	22	51,56	4,15	22	82,06	60,10	22	59,37	61,05	22	27,79	6,91	22	40,57	16,26
22	33,31	12,66	23	52,40	3,95	23	83,19	60,05	23	60,45	61,14	23	28,59	7,14	23	40,69	16,63
23	33,64	12,36	24	53,22	3,73	24	84,30	60,00	24	61,57	61,24	24	29,40	7,39	24	40,71	17,00
24	33,94	12,07	25	54,05	3,53	25	85,42	59,93	25	62,74	61,36	25	30,18	7,67	25	40,63	17,37
25	34,23	11,79	26	54,90	3,31	26	86,56	59,86	26	63,96	61,48	26	30,91	7,98	26	40,48	17,72
26	34,49	11,51	27	55,80	3,08	27	87,76	59,78	27	64,94	61,63	27	31,56	8,29	27	40,28	18,05
27	34,73	11,22	28	56,77	2,85	28	89,01	59,72	28	66,37	61,80	28	32,11	8,62	28	40,07	18,38
28	34,97	10,92	29	57,82	2,63	29	90,32	59,67	29	67,50	62,00	29	32,57	8,94	29	39,88	18,69
29	35,23	10,60				30	91,67	59,65	30	68,55	62,21	30	32,99	9,19	30	39,74	19,00
30	35,54	10,27				31	93,04	69,65	31	69,52	62,42	31	33,37	9,53	31	39,76	19,29
31	35,91	9,93				32	94,39	59,67				32	33,75	9,80			
32	36,38	9,60															

1919,0 Posizione media $\begin{cases} \alpha = 19^h.0^m.14^s,76 \\ \delta = +89°.1'.12'',85 \end{cases}$

λ Ursae Minoris. Gr. 6,6

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
	Luglio			**Agosto**			**Settembre**			**Ottobre**			**Novembre**			**Dicembre**	
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	19. 0	89. 1		18.59	89. 1		18.59	89. 1		18.58	89. 1		18.57	89. 1		18.57	89. 1
	s	″		s	″		s	″		s	″		s	″		s	″
1	39,66	19,29	1	86,02	29,24	1	54,55	37,21	1	72,93	41,36	1	87,02	40,95	1	49,79	36,00
2	39,61	19,61	2	85,35	29,56	2	53,26	37,43	2	71,36	41,42	2	85,62	40,81	2	48,90	35,76
3	39,57	19,94	3	84,63	29,88	3	51,92	37,64	3	69,79	41,46	3	84,29	40,68	3	48,02	35,54
4	39,53	20,28	4	83,84	30,20	4	50,56	37,82	4	68,25	41,48	4	83,01	40,57	4	47,14	35,34
5	39,45	20,64	5	82,99	30,51	5	49,18	38,00	5	66,74	41,50	5	81,75	40,47	5	46,20	35,14
6	39,31	21,00	6	82,09	30,81	6	47,79	38,15	6	65,28	41,51	6	80,48	40,37	6	45,20	34,93
7	39,22	21,35	7	81,14	31,10	7	46,45	38,29	7	63,87	41,52	7	79,17	40,31	7	44,15	34,71
8	38,86	21,71	8	80,16	31,38	8	45,11	38,43	8	62,50	41,55	8	77,80	40,24	8	43,08	34,56
9	38,53	22,06	9	79,16	31,64	9	43,84	38,58	9	61,13	41,59	9	76,37	40,15	9	42,02	34,19
10	38,16	22,40	10	78,16	31,88	10	42,61	38,74	10	59,73	41,66	10	74,89	40,05	10	41,02	33,91
11	37,74	22,74	11	77,20	32,13	11	41,39	38,91	11	58,26	41,72	11	73,38	39,91	11	40,10	33,61
12	37,27	23,06	12	76,27	32,37	12	40,15	39,08	12	56,73	41,78	12	71,90	39,75	12	39,28	33,29
13	36,81	23,36	13	75,39	32,61	13	38,86	39,28	13	55,13	41,83	13	70,49	39,57	13	38,55	32,98
14	36,36	23,66	14	74,53	32,87	14	37,50	39,49	14	53,48	41,84	14	69,16	39,38	14	37,89	32,69
15	35,94	23,95	15	73,66	33,14	15	36,05	39,65	15	51,82	41,84	15	67,91	39,18	15	37,08	32,41
16	35,55	24,24	16	72,75	33,42	16	34,53	39,81	16	50,20	41,81	16	66,75	38,99	16	36,69	32,13
17	35,19	24,54	17	71,78	33,71	17	32,98	39,95	17	48,64	41,76	17	65,62	38,83	17	36,08	31,88
18	34,85	24,86	18	70,72	34,00	18	31,42	40,07	18	47,15	41,71	18	64,52	38,66	18	35,45	31,63
19	34,48	25,29	19	69,57	34,30	19	29,88	40,17	19	45,72	41,66	19	63,42	38,51	19	34,80	31,37
20	34,05	25,55	20	68,34	34,56	20	28,43	40,25	20	44,36	41,61	20	62,30	38,36	20	34,13	31,11
21	33,53	25,92	21	67,09	34,81	21	27,02	40,33	21	43,02	41,57	21	61,15	38,20	21	33,46	30,82
22	32,92	26,28	22	65,85	35,04	22	25,68	40,40	22	41,68	41,53	22	59,97	38,03	22	32,79	30,52
23	32,22	26,63	23	64,63	35,24	23	24,36	40,50	23	40,32	41,51	23	58,76	37,88	23	32,14	30,21
24	31,45	26,96	24	63,46	35,43	24	23,05	40,61	24	38,93	41,49	24	57,54	37,67	24	31,51	29,88
25	30,67	27,26	25	62,36	35,62	25	21,72	40,73	25	37,50	41,47	25	56,32	37,46	25	30,92	29,54
26	29,90	27,54	26	61,30	35,72	26	20,37	40,84	26	36,02	41,34	26	55,11	37,24	26	30,40	29,20
27	29,17	27,80	27	60,26	36,03	27	18,96	40,95	27	34,52	41,39	27	53,94	37,00	27	29,97	28,87
28	28,49	28,06	28	59,20	36,26	28	17,51	41,08	28	33,01	41,34	28	52,80	36,75	28	29,61	28,55
29	27,85	28,33	29	58,11	36,50	29	16,02	41,18	29	31,48	41,27	29	51,73	36,50	29	29,31	28,23
30	27,24	28,63	30	56,98	36,63	30	14,48	41,28	30	29,96	41,18	30	50,73	36,25	30	29,03	27,91
31	26,64	28,93	31	55,79	36,97	31	12,93	41,36	31	28,47	41,07	31	49,79	36,00	31	28,79	27,62
32	26,02	29,24	32	54,55	37,21				32	27,02	40,95				32	28,50	27,36

1919,0 Posizione media $\begin{cases} \alpha = 19^h.0^m.14^s,76 \\ \delta = +89^\circ.1'.12'',85 \end{cases}$

39 (Hevelius) Cephei. Gr. 5,6

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Gennaio			Febbraio			Marzo			Aprile			Maggio			Giugno		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	23.27	86.52		23.27	86.51		23.27	86.51		23.27	86.51		23.27	86.51		23.27	86.51
	s	″		s	″		s	″		s	″		s	″		s	″
0	42,12	4,99	1	31,10	60,60	1	25,94	52,92	1	27,18	42,80	1	34,73	35,73	1	46,19	33,17
1	41,74	4,98	2	30,79	60,42	2	25,83	52,57	2	27,40	42,53	2	35,08	35,60	2	46,54	33,19
2	41,33	4,96	3	30,51	60,16	3	25,75	52,28	3	27,61	42,27	3	35,40	35,47	3	46,89	33,20
3	40,91	4,92	4	30,25	59,88	4	25,71	51,87	4	27,81	42,02	4	35,69	35,34	4	47,25	33,18
4	40,49	4,87	5	30,02	59,61	5	25,69	51,54	5	28,00	41,78	5	35,99	35,21	5	47,64	33,17
5	40,06	4,79	6	29,82	59,35	6	25,69	51,22	6	28,16	41,54	6	36,29	35,06	6	48,05	33,16
6	39,65	4,69	7	29,63	59,10	7	25,70	50,92	7	28,31	41,29	7	36,60	34,90	7	48,47	33,16
7	39,26	4,57	8	29,45	58,87	8	25,70	50,69	8	28,46	41,03	8	36,93	34,73	8	48,91	33,19
8	38,90	4,45	9	29,25	58,66	9	25,69	50,37	9	28,62	40,75	9	37,27	34,56	9	49,33	33,22
9	38,57	4,33	10	29,04	58,44	10	25,66	50,09	10	28,80	40,45	10	37,64	34,40	10	49,77	33,27
10	38,25	4,21	11	28,80	58,20	11	25,62	49,80	11	29,00	40,15	11	38,03	34,25	11	50,20	33,35
11	37,94	4,11	12	28,55	57,95	12	25,57	49,49	12	29,22	39,86	12	38,43	34,13	12	50,62	33,44
12	37,63	4,03	13	28,30	57,79	13	25,52	49,16	13	29,47	39,58	13	38,84	34,01	13	51,01	33,53
13	37,29	3,96	14	28,06	57,40	14	{25,49 {25,49	{48,83 {48,47	14	29,75	39,30	14	39,24	33,91	14	51,39	33,63
14	36,93	3,88	15	27,83	57,09	15	25,51	48,11	15	30,03	39,04	15	39,64	33,83	15	51,76	33,73
15	36,56	3,79	16	27,63	56,76	16	25,55	47,76	16	30,31	38,80	16	40,02	33,75	16	52,11	33,83
16	36,16	3,66	17	27,46	56,45	17	25,61	47,41	17	30,59	38,57	17	40,39	33,69	17	52,46	33,91
17	35,76	3,51	18	27,31	56,13	18	25,70	47,08	18	30,88	38,36	18	40,75	33,64	18	52,81	33,99
18	35,38	3,34	19	27,18	55,82	19	25,80	46,76	19	31,16	38,16	19	41,10	33,58	19	53,17	34,07
19	35,02	3,15	20	27,07	55,52	20	25,91	46,46	20	31,41	37,96	20	41,44	33,51	20	53,56	34,15
20	34,67	2,95	21	26,95	55,21	21	26,00	46,16	21	31,77	37,74	21	41,78	33,43	21	53,97	34,23
21	34,35	2,75	22	26,85	54,93	22	26,10	45,87	22	31,91	37,53	22	42,14	33,35	22	54,39	34,33
22	34,05	2,55	23	26,75	54,65	23	26,20	45,57	23	32,15	37,31	23	42,50	33,26	23	54,82	34,46
23	33,76	2,36	24	26,63	54,38	24	26,27	45,28	24	32,40	37,09	24	42,90	33,19	24	55,25	34,61
24	33,48	2,17	25	26,50	54,11	25	26,34	44,99	25	32,67	36,85	25	43,33	33,13	25	55,67	34,79
25	33,21	2,00	26	26,37	53,84	26	26,40	44,69	26	32,96	36,62	26	43,77	33,08	26	56,06	34,98
26	32,94	1,82	27	26,23	53,54	27	26,48	44,37	27	33,28	36,40	27	44,21	33,08	27	56,41	35,17
27	32,66	1,65	28	26,08	53,24	28	26,56	44,06	28	33,63	36,19	28	44,64	33,08	28	56,74	35,35
28	32,37	1,48	29	25,94	52,92	29	26,67	43,73	29	34,01	36,04	29	45,07	33,10	29	57,07	35,52
29	32,07	1,29				30	26,81	43,41	30	34,38	35,87	30	45,47	33,12	30	57,39	35,67
30	31,75	1,10				31	26,99	43,09	31	34,73	35,73	31	45,83	33,14	31	57,71	35,81
31	31,43	0,89				32	27,18	42,80				32	46,19	33,17			
32	31,10	0,66															

1919,0 Posizione media $\begin{cases} \alpha = 23^{h}.27^{m}.^{s}45,19 \\ \delta = +86^{\circ}.51'.38'',45 \end{cases}$

39 (Hevelius) Cephei. Gr. 5,6

Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.	Giorno del mese	Ascen. retta	Decl. bor.
Luglio			Agosto			Settembre			Ottobre			Novembre			Dicembre		
	h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′		h m	° ′
	23.27	86.51		23.28	86.51		23.28	86.51		23.28	86.52		23.27	86.52		23.27	86.52
	s	″		s	″		s	″		s	″		s	″		s	″
1	57,71	35,81	1	7,33	43,19	1	12,56	53,84	1	12,31	5,31	1	66,55	15,87	1	56,80	22,58
2	58,05	35,95	2	7,61	43,49	2	12,66	54,23	2	12,19	5,70	2	66,25	16,19	2	56,44	22,69
3	58,41	36,10	3	7,89	43,79	3	12,73	54,64	3	12,05	6,08	3	65,96	16,40	3	56,09	22,81
4	58,79	36,25	4	8,11	44,11	4	12,78	55,04	4	11,90	6,45	4	65,69	16,65	4	55,76	22,94
5	59,17	36,42	5	8,41	44,44	5	12,81	55,43	5	11,74	6,80	5	65,42	16,90	5	55,43	23,08
6	59,56	36,60	6	8,64	44,78	6	12,83	55,82	6	11,59	7,14	6	65,18	17,17	6	55,09	23,23
7	59,95	36,80	7	8,86	45,13	7	12,84	56,21	7	11,44	7,48	7	64,99	17,46	7	54,73	23,40
8	60,32	37,02	8	9,05	45,48	8	12,84	56,58	8	11,32	7,82	8	64,69	17,81	8	54,33	23,56
9	60,68	37,25	9	9,23	45,82	9	12,85	56,93	9	11,21	8,17	9	64,43	18,05	9	53,93	23,70
10	61,03	37,48	10	9,40	46,16	10	12,87	57,27	10	11,11	8,53	10	64,14	18,36	10	53,50	23,82
11	61,36	37,72	11	9,56	46,49	11	12,91	57,62	11	11,01	8,90	11	63,83	18,65	11	53,06	23,92
12	61,67	37,96	12	9,71	46,89	12	12,96	57,98	12	10,90	9,28	12	63,48	18,93	12	52,62	23,99
13	61,97	38,20	13	9,88	47,12	13	13,02	58,36	13	10,76	9,67	13	63,13	19,18	13	52,21	24,02
14	62,24	38,43	14	10,06	47,42	14	13,07	58,82	14	10,59	10,07	14	62,76	19,41	14	51,81	24,05
15	62,52	38,64	15	10,25	47,73	15	13,11	59,19	15	10,40	10,45	15	62,40	19,62	15	51,43	24,08
16	62,81	38,86	16	10,47	48,06	16	13,12	59,62	16	10,18	10,80	16	62,06	19,81	16	51,06	24,12
17	63,11	39,07	17	10,69	48,42	17	13,10	60,05	17	9,95	11,15	17	61,73	20,00	17	50,71	24,16
18	63,43	39,28	18	10,90	48,79	18	13,05	60,47	18	9,71	11,47	18	61,42	20,20	18	50,33	24,20
19	63,76	39,51	19	11,09	49,18	19	12,99	60,86	19	9,48	11,77	19	61,12	20,40	19	49,99	24,24
20	64,11	39,75	20	11,25	49,57	20	12,91	61,23	20	9,27	12,08	20	60,82	20,60	20	49,62	24,28
21	64,46	40,01	21	11,37	49,96	21	12,83	61,59	21	9,08	12,38	21	60,51	20,81	21	49,24	24,33
22	64,80	40,30	22	11,47	50,34	22	12,77	61,94	22	8,90	12,69	22	60,19	21,02	22	48,84	24,37
23	65,04	40,60	23	11,55	50,71	23	12,72	62,28	23	8,71	13,01	23	59,86	21,23	23	48,42	24,40
24	65,38	40,92	24	11,63	51,06	24	12,68	62,63	24	8,53	13,33	24	59,52	21,44	24	48,00	24,42
25	65,63	41,23	25	11,78	51,39	25	12,65	62,99	25	8,35	13,65	25	59,16	21,64	25	47,57	24,42
26	65,87	41,54	26	11,82	51,83	26	12,62	63,36	26	8,14	13,96	26	58,78	21,83	26	47,11	24,41
27	66,09	41,82	27	11,93	52,05	27	12,58	63,73	27	7,92	14,29	27	58,38	22,01	27	46,71	24,38
28	66,30	42,11	28	12,05	52,38	28	12,55	64,13	28	7,68	14,62	28	57,98	22,18	28	46,30	24,33
29	66,54	42,38	29	12,19	52,74	29	12,49	64,53	29	7,42	14,95	29	57,58	22,32	29	45,91	24,27
30	66,79	42,65	30	12,32	53,09	30	12,41	64,98	30	7,15	15,27	30	57,18	22,44	30	45,54	24,21
31	67,05	42,92	31	12,45	53,46	31	12,33	65,31	31	6,85	15,58	31	56,80	22,58	31	45,19	24,16
32	67,33	43,19	32	12,56	53,84				32	6,55	15,87				32	44,85	24,12

1919,0 Posizione media $\begin{cases} \alpha = 23^{h}.27^{m}.45^{s},19 \\ \delta = +86^{\circ}.51'.38'',45 \end{cases}$

Giorno del mese	33 Piscium gr. : 4,7		5 Ceti gr. : 6,3		35 Piscium gr. : [illegible],9		34 θ Andromedae gr. : 4,4		25 σ Andromedae gr. : 4,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	0. 1	6. 9	0. 4	2.53	0.10	8.22	0.12	38.13	0.14	36.20
	s	"	s	"	s	"	s	"	s	"
Genn. 0,2	12,153	35,41	4,051	50,64	49,351	24,33	52,371	72,89	6,503	27,66
10,2	12,043	36,01	3,942	51,29	49,239	23,54	52,203	72,05	6,340	26,82
20,2	11,940	36,50	3,839	51,87	49,131	22,70	52,038	70,85	6,181	25,64
30,2	11,849	36,85	3,747	52,35	49,032	21,85	51,885	69,35	6,034	24,17
Febbr. 9,1	11,775	37,05	3,670	52,70	48,948	21,03	51,751	67,60	5,906	22,48
19,1	11,720	37,08	3,613	52,90	48,883	20,28	51,644	65,68	5,803	20,63
Marzo 1,1	11,690	36,91	3,580	52,92	48,842	19,64	51,572	63,67	5,734	18,70
11,0	11,690	36,53	3,577	52,74	48,832	19,16	51,541	61,66	5,704	16,78
21,0	11,723	35,92	3,608	52,34	48,857	18,88	51,557	59,74	5,719	14,95
31,0	11,793	35,07	3,676	51,69	48,919	18,83	51,624	58,00	5,784	13,30
Aprile 10,0	11,902	33,99	3,782	50,80	49,022	19,04	51,743	56,51	5,900	11,91
19,9	12,050	32,67	3,928	49,66	49,166	19,53	51,915	55,35	6,067	10,84
29,9	12,236	31,13	4,112	48,29	49,349	20,31	52,137	54,56	6,283	10,14
Maggio 9,9	12,458	29,41	4,332	46,71	49,569	21,37	52,404	54,18	6,543	9,85
19,9	12,711	27,54	4,584	44,95	49,822	22,69	52,710	54,24	6,842	9,98
29,8	12,990	25,55	4,862	43,06	50,102	24,25	53,047	54,74	7,171	10,54
Giugno 8,8	13,288	23,51	5,158	41,07	50,401	25,99	53,406	55,66	7,522	11,50
18,8	13,596	21,45	5,466	39,04	50,712	27,89	53,778	56,98	7,886	12,85
28,7	13,908	19,44	5,777	37,01	51,026	29,89	54,152	58,67	8,252	14,56
Luglio 8,7	14,214	17,53	6,083	35,06	51,336	31,94	54,517	60,67	8,611	16,56
18,7	14,507	15,76	6,376	33,23	51,633	33,97	54,867	62,94	8,955	18,81
28,7	14,780	14,19	6,649	31,55	51,910	35,95	55,192	65,42	9,274	21,26
Agosto 7,6	15,025	12,84	6,895	30,08	52,161	37,83	55,485	68,05	9,563	23,85
17,6	15,238	11,75	7,109	28,83	52,380	39,56	55,741	70,77	9,816	26,51
27,6	15,411	10,93	7,288	27,84	52,565	41,11	55,955	73,52	10,028	29,19
Sett. 6,6	15,553	10,38	7,428	27,11	52,712	42,45	56,126	76,25	10,198	31,83
16,5	15,652	10,11	7,529	26,65	52.821	43,57	52,252	78,89	10,324	34,39
26,5	15,713	10,09	7,593	26,43	52,893	44,46	56,334	81,41	10,407	36,82
Ottobre 6,5	15,737	10,30	7,621	26,45	52,929	45,12	56,374	83,76	10,448	39,07
16,4	15,728	10,71	7,616	26,68	52,933	45,56	56,375	85,90	10,451	41,11
26,4	15,690	11,28	7,582	27,08	52,908	45,78	56,339	87,78	10,419	42,90
Nov. 5,4	15,628	11,97	7,523	27,62	52,858	45,81	56,270	89,37	10,355	44,40
15,4	15,547	12,74	7,446	28,26	52,788	45,66	56,174	90,64	10,264	45,58
25,3	15,450	13,55	7,353	28,98	52,701	45,35	56,053	91,56	10,149	46,43
Dic. 5,3	15,343	14,37	7,249	29,74	52.601	44,89	55,912	92,11	10,015	46,92
15,3	15,229	15,17	7,138	30,50	52,492	44,31	55,756	92,27	9,865	47,03
25,3	15,113	15,95	7,023	31,25	52,378	43,62	55,589	92,03	9,705	46,76
35,2	14,998	16,59	6,910	31,96	52,261	42,85	55,416	91,40	9,538	46,12
Posizione media	$0^h.1^m.11^s,345$ $-6^{\circ}.9'.38'',61$		$0^h.4^m.3^s,213$ $-2^{\circ}.53'.54'',93$		$0^h.10^m.48^s,427$ $+8^{\circ}.22'.16'',15$		$0^h.12^m.51^s,309$ $+38^{\circ}.13'.54'',84$		$0^h.14^m.5^s,438$ $+36^{\circ}.20'.10'',20$	

Giorno del mese	41 *d* Piscium gr. : 5,6		27 *ρ* Andromedae gr. : 5,[illegible]		*τ* Sculptoris gr. : 5,4		44 Piscium gr. : 6,0		10 Ceti gr. : 6,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	0.16	7.44	0.16	37.31	0.17	29.25	0.21	1.29	0.22	0.29
	s	″	s	″	s	″	s	″	s	″
Genn. 0,2	26,638	33,54	52,074	29,45	27,938	50,39	15,920	33,72	29,065	48,41
10,2	26,523	32,76	51,907	28,64	27,793	50,60	15,808	33,00	28,952	49,11
20,2	26,413	31,95	51,745	27,48	27,654	50,46	15,698	32,31	28,842	49,75
30,1	26,311	31,13	51,593	26,01	27,528	49,98	15,596	31,69	28,740	50,31
Febbr. 9,1	26,223	30,35	51,459	24,31	27,419	49,17	15,507	31,16	28,650	50,76
19,1	26,153	29,64	51,351	22,44	27,333	48,04	15,435	30,75	28,578	51,08
Marzo 1,1	26,108	29,04	51,276	20,48	27,273	46,61	15,387	30,49	28,529	51,24
11,0	26,092	28,60	51,242	18,51	27,246	44,90	15,367	30,41	28,508	51,20
21,0	26,111	28,36	51,254	16,63	27,255	42,95	15,380	30,54	28,520	50,95
31,0	26,167	28,34	51,316	14,92	27,304	40,77	15,431	30,91	28,569	50,46
Aprile 10,0	26,264	28,59	51,430	13,47	27,396	38,42	15,521	31,52	28,658	49,72
19,9	26,402	29,11	51,597	12,33	27,531	35,94	15,652	32,39	28,787	48,74
29,9	26,580	29,91	51,813	11,56	27,710	33,36	15,823	33,52	28,956	47,51
Maggio 9,9	26,795	30,98	52,074	11,19	27,929	30,75	16,031	34,88	29,163	46,05
19,8	27,044	32,31	52,375	11.24	28,185	28,16	16,273	36,45	29,404	44,40
29,8	27,320	33,87	52,708	11,73	28,473	25,65	16,543	38,21	29,673	42,59
Giugno 8,8	27,617	35,63	53,063	12,64	28,786	23,28	16,835	40,10	29,964	40,66
18,8	27,926	37,52	53,431	13,94	29,115	21,12	17,140	42,07	30,268	38,66
28,7	28,240	39,51	53,802	15,60	29,452	19,21	17,451	44,08	30,579	36,64
Luglio 8,7	28,550	41,54	54,166	17,57	29,788	17,61	17,759	46,07	30,887	34,66
18,7	28,848	43,56	54,515	19,80	30,114	16,35	18,057	47,99	31,185	32,77
28,7	29,128	45,52	54,840	22,24	30,422	15,48	18,337	49,79	31,466	31,02
Agosto 7,6	29,382	47,37	55,135	24,82	30,703	15,00	18,593	51,43	31,723	29,45
17,6	29,605	49.07	55,393	27,50	30,951	14,93	18,819	52,87	31,950	28,09
27,6	29,794	50,58	55,611	30,21	31,161	15,26	19,011	54,09	32,143	26,97
Sett. 6,5	29,946	51,89	55,786	32,90	31,328	15,96	19,167	55,06	32,300	26,10
16,5	30,060	52,97	55,917	35,50	31,451	17,00	19,285	55,78	32,419	25,49
26,5	30,138	53,82	56,004	37,98	31,529	18,32	19,366	56,25	32,502	25,14
Ottobre 6,5	30,180	54,44	56,050	40.29	31,563	19,87	19,412	56,49	32,549	25,03
16,4	30,189	54,84	56,057	42,39	31,557	21,56	19,425	56,51	32,563	25,13
26,4	30,169	55,03	56,027	44,25	31,515	23,33	19,409	56,33	32,547	25,42
Nov. 5,4	30,124	55,02	55,965	45,82	31,441	25,09	19,367	55,99	32,506	25,87
15,4	30,058	54,84	55,875	47,07	31,340	26,77	19,303	55,52	32,443	26,43
25,3	29,974	54,51	55,760	47,98	31,219	28,30	19,222	54,94	32,362	27,09
Dic. 5,3	29,877	54,04	55,624	48,53	31,084	29,62	19,127	54,28	32,267	27,81
15,3	29,770	53,45	55,473	48,70	30,938	30,67	19,021	53,56	32,162	28,56
25,2	29,656	52,77	55,310	48,48	30,787	31,43	18,909	52,82	32,049	39,32
35,2	29,540	52,01	55,141	47,87	30,636	31,86	18,794	52,08	31,926	30,05
Posizione media	$0^h.16^m.25^s,679$ $+7°.44'.25'',67$		$0^h.16^m.50^s,979$ $+37°.31'.11.'',67$		$0^h.17^m.27^s,168$ $-29°.25'.45'',66$		$0^h.21^m.14^s,962$ $+1°.29'.28'',15$		$0^h.22^m.28^s,108$ $-0°.29'.53'',25$	

Giorno del mese	β^1 Tucanae gr. : 4,5		13 Ceti gr. : 4,5		82 (Bode) Ceti gr. : 5,7		μ Phoenicis gr. : 4,7		147 (Bode) Piscium gr. : 5,8	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	0.27	63.23	0.31	4. 1	0.33	25.12	0.37	46.31	0.44	4.51
	s	"	s	"	s	"	s	"	s	"
Genn. 0,2	50,71	88,28	5,670	75,56	12,026	50,06	30,821	57,03	9,031	57,74
10,2	50,31	87,76	5,555	76,23	11,889	50,45	30,598	57,04	8,916	56,99
20,2	49,94	86,68	5,443	76,81	11,755	50,53	30,383	56,57	8,801	56,23
30,2	49,59	85,08	5,337	77,26	11,629	50,30	30,182	55,63	8,689	55,50
Febbr. 9,1	49,29	82,99	5,242	77,58	11,517	49,75	30,002	54,24	8,586	54,83
19,1	49,03	80,47	5,163	77,73	11,424	48,89	29,849	52,44	8,497	54,25
Marzo 1,1	48,83	77,60	5,107	77,69	11,356	47,73	29,729	50,28	8,430	53,80
11,1	48,70	74,43	5,078	77,45	11,317	46,29	29,648	47,80	8,390	53,20
21,0	48,64	71,04	5,081	76,99	11,312	44,59	29,612	45,05	8,382	53,39
31,0	48,65	67,51	5,121	76,29	11,346	42,65	29,624	42,09	8,411	53,51
Aprile 10,0	48,74	63,91	5,201	75,35	11,422	40,51	29,689	38,99	8,480	53,87
19,9	48,90	60,32	5,322	74,17	11,541	38,21	29,808	35,81	8,592	54,48
29,9	49,14	56,82	5,483	72,77	11,703	35,78	29,980	32,61	8,746	55,35
Maggio 9,9	49,46	53,48	5,683	71,16	11,907	33,27	30,204	29,46	8,939	56,47
19,9	49,84	50,37	5,917	69,37	12,149	30,74	30,476	26,43	9,169	57,83
29,8	50,28	47,58	6,181	67,45	12,423	28,25	30,790	23,59	9,430	59,39
Giugno 8,8	50,77	45,15	6,468	65,45	12,723	25,85	31,139	21,01	9,715	61,11
18,8	51,29	43,16	6,771	63,41	13,042	23,61	31,513	18,76	10,017	62,96
28,8	51,84	41,65	7,082	61,38	13,371	21,59	31,903	16,88	10,329	64,88
Luglio 8,7	52,41	40,64	7,392	59,42	13,701	19,83	32,298	15,43	10,642	66,82
18,7	52,96	40,18	7,693	57,58	14,025	18,38	32,688	14.44	10,947	68,73
28,7	53,48	40,29	7,978	55,92	14,333	17,28	33,062	13,95	11,238	70,56
Agosto 7,6	53,96	40,95	8,240	54,46	14,617	16,56	33,409	13,96	11,508	72,26
17,6	54,39	42,14	8,474	53,24	14,872	16,22	33,721	14,47	11,751	73,79
27,6	54,76	43,81	8,675	52,29	15,091	16,28	33,990	15,46	11,963	75,12
Sett. 6,6	55,05	45,92	8,841	51,61	15,271	16,72	34,210	16,88	12,141	76,22
16,5	55,25	48,38	8,970	51,21	15,410	17,50	34,376	18,68	12,283	77,09
26,5	55,37	51,10	9,061	51,07	15,507	18,59	34,485	20,80	12,389	77,72
Ottobre 6,5	55,41	53,98	9,116	51,18	15,563	19,92	34,539	23,14	12,460	78,11
16,5	55,35	56,90	9,138	51,50	15,580	21,44	34,539	25,61	12,498	78,28
26,4	55,21	59,76	9,130	52,00	15,561	23,07	34,488	28,12	12,506	78,25
Nov. 5,4	55,00	62,44	9,095	52,65	15,511	24,73	34,391	30,55	12,487	78,04
15,4	54,73	64,82	9,038	53,40	15,434	26,36	34,255	32,81	12,445	77,68
25,3	54,40	66,81	8,962	54,21	15.335	27,88	34,086	34,80	12,381	77,19
Dic. 5,3	54,04	68,34	8,870	55,04	15,219	29,24	33,892	36,45	12,300	76,59
15,3	53,65	69,35	8,767	55,87	15,091	30,38	33,681	37,71	12,205	75,92
25,3	53,25	69,79	8,655	56,67	14,954	31,27	33,459	38,52	12,098	75,19
35,2	52,84	69,65	8,539	57,41	14,814	31,87	33,234	38,84	11,984	74,42
Posizione media	$0^h.27^m.50^s,309$ $-63°.24'.15'',67$		$0^h.31^m,4^s,680$ $-4°.2'.18'',99$		$0^h.33^m.11^s,139$ $-25°.12'.46'',31$		$0^h.37^m.30^s,073$ $-46°.31'.47'',37$		$0^h.44^m.7^s,917$ $+4°.51'.51'',40$	

Giorno del mese	24 η Cassiopejae gr. : 3,8		35 ν Andromedae gr. : 4,4		20 Ceti gr. : 4,9		68 h Piscium gr. : 5,6		72 Piscium gr. : 5,7	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	0.44	57.23	0.45	40.38	0.48	1.34	0.53	28.33	1. 0	14.30
	s	″	s	″	s	″	s	″	s	″
Genn. 0,2	12,980	32,00	21,801	34,78	53,111	58,37	28,207	30,46	49,873	47,49
10,2	12,690	31,69	21,622	34,24	52,994	59,08	28,062	29,85	49,752	46,78
20,2	12,398	30,87	21,440	33,33	52,874	59,71	27,916	28,99	49,627	45,99
30,2	12,115	29,56	21,262	32,08	52,761	60,25	27,772	27,90	49,502	45,14
Febbr. 9,1	11,856	27,83	21,098	30,53	52,655	60,66	27,636	26,63	49,383	44,24
19,1	11,632	25,74	20,956	28,76	52,563	60,93	27,518	25,23	49,277	43,35
Marzo 1,1	11,456	23,37	20,845	26,83	52,490	61,03	27,424	23,78	49,191	42,50
11,1	11,338	20,82	20,774	24,84	52,444	60,94	27,362	22,32	49,131	41,73
21,0	11,289	18,21	20,749	22,87	52,430	60,63	27,337	20,94	49,105	41,11
31,0	11,314	15,64	20,776	21,01	52,452	60,10	27,356	19,70	49,117	40,67
Aprile 10,0	11,418	13,22	20,858	19,34	52,513	59,32	27,423	18,66	49,171	40,45
19,9	11,600	11,04	20,996	17,94	52,616	58,30	27,538	17,89	49,270	40,49
29,9	11,857	9,18	21,189	16,86	52,761	57,05	27,702	17,43	49,413	40,81
Maggio 9,9	12,183	7,72	21,434	16,16	52,946	55,58	27,912	17,30	49,598	41,41
19,9	12,569	6,71	21,724	15,87	53,168	53,92	28,163	17,53	49,822	42,29
29,8	13,005	6,18	22,051	16,00	53,421	52,10	28,449	18,11	50,080	43,44
Giugno 8,8	13,477	6,14	22,407	16,55	53,700	50,17	28,763	19,03	50,366	44,83
18,8	13,974	6,60	22,782	17,51	53,997	48,17	29,096	20,27	50,671	46,42
28,8	14,482	7,54	23,167	18,85	54,304	46,16	29,439	21,80	50,987	48,18
Luglio 8,7	14,988	8,94	23,551	20,53	54,614	44,20	29,783	23,57	51,306	50,06
18,7	15,479	10,76	23,925	22,51	54,918	42,32	30,120	25,54	51,620	52,01
28,7	15,945	12,95	24,279	24,74	55,208	40,59	30,442	27,67	51,922	53,97
Agosto 7,6	16,375	15,46	24,606	27,16	55,478	39,04	30,741	29,88	52,205	55,90
17,6	16,761	18,24	24,901	29,72	55,722	37,72	31,012	32,13	52,462	57,74
27,6	17,098	21,21	25,158	32,37	55,936	36,64	31,251	34,38	52,690	59,47
Sett. 6,6	17,380	24,33	25,374	35,04	55,115	35,83	31,453	36,57	52,885	61,04
16,5	17,603	27,51	25,546	37,68	56,259	35,29	31,617	38,67	53,045	62,43
26,5	17,768	30,70	25,675	40,24	56,368	35,02	31,743	40,63	53,170	63,63
Ottobre 6,5	17,874	33,83	25,761	42,68	56,441	34,99	31,832	42,43	53,260	64,62
16,5	17,921	36,85	25,806	44,95	56,481	35,19	31,885	44,05	53,317	65,40
26,4	17,912	39,68	25,812	47,02	56,490	35,58	31,905	45,45	53,343	65,96
Nov. 5,4	17,850	42,27	25,781	48,83	56,472	36,12	31,893	46,62	53,340	66,33
15,4	17,737	44,55	25,717	50,35	56,430	36,78	31,852	47,55	53,312	66,50
25,3	17,577	46,47	25,623	51,56	56,366	37,53	31,785	48,21	53,260	66,49
Dic. 5,3	17,375	47,96	25,502	52,41	56,284	38,33	31,695	48,59	53,187	66,31
15,3	17,138	48,98	25,357	52,89	56,188	39,14	31,586	48,71	53,096	65,97
25,3	16,872	49,51	25,193	52,97	56,080	39,93	31,459	48,54	52,989	65,48
35,2	16,585	49,52	25,016	52,67	55,964	40,70	31,320	48,08	52,864	64,81
Posizione media	0h.44m.11s,366 +57°.23′.9″,60		0h.45m.20s,422 +40°.38′.16″,60		0h.48m.52s,004 −1°.35′.2″,32		0h.53m.26s,871 +28°.33′.16″,16		1h.0m.48s,596 +14°.30′.38″,08	

Giorno del mese	30 μ Cassiopejae gr. : 5,3		80 e Piscium gr. : 5,7		ζ Phoenicis gr. : 4,1		84 χ Piscium gr. : 4,9		86 ζ Piscium gr. : 5,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	1. 2	54.31	1. 4	5.13	1. 4	55.40	1. 7	20.36	1. 9	7. 8
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	53,976	45,92	12,936	23,16	59,832	54,81	7,050	27,67	31,073	56,82
10,2	53,726	45,74	12,819	22,44	59,525	54,95	6,923	27,05	30,957	56,11
20,2	53,467	45,07	12,697	21,72	59,221	54,55	6,790	26,27	30,835	55,39
30,2	53,210	43,93	12,576	21,03	58,929	53.61	6,656	25,35	30,711	54,67
Febbr. 9,2	52,969	42,38	12,460	20,40	58,657	52,16	6,527	24,33	30,593	53,99
19,1	52,754	40,46	12,355	19,85	58,414	50,25	6,411	23,25	30,486	53,38
Marzo 1,1	52,579	38,25	12,270	19,42	58,209	47,92	6,315	22,15	30,397	52,87
11,1	52,454	35,85	12,210	19,14	58,048	45,23	6,246	21,10	30,332	52,49
21,0	52,390	33,37	12,181	19,03	57,939	42,24	6,212	20,16	30,299	52,28
31,0	52,395	30,89	12,188	19,14	57,888	39,03	6,218	19,36	30,302	52,27
Aprile 10,0	52.472	28,53	12,236	19,48	57,899	35,64	6,267	18,77	30,346	52,49
20,0	52,622	26,38	12,326	20,07	57,975	32,16	6,363	18,44	30,432	52,96
29.9	52,845	24,52	12,459	20,91	58,117	28,68	6,505	18,38	30,562	53,68
Maggio 9,9	53,135	23,02	12,634	22,00	58,323	25,25	6,691	18,62	30,734	54,65
19,9	53,485	21,93	12,847	23,31	58,590	21,96	6,918	19,17	30,945	55,87
29,9	53,886	21,29	13,094	24,83	58,912	18,89	7,181	20,02	31,191	57,30
Giugno 8,8	54,327	21,12	13,369	26,53	59,281	16,10	7,472	21,16	31,465	58,91
18,8	54,797	21,42	13,663	28,35	59,689	13,64	7,784	22,55	31,759	60,67
28,8	55,281	22,19	13,969	30,25	60,125	11,61	8.108	24,15	32,067	62,53
Luglio 8,7	55,769	23,39	14,280	32,17	60,575	10,05	8,436	25,94	32,379	64,43
18,7	56,248	25,00	14,587	34,08	61,029	9,00	8,760	27,85	32,688	66,34
28,7	56,708	26,97	14,882	35,91	61,473	8,49	9,072	29,83	32,987	68,19
Agosto 7,7	57,139	29,26	15,160	37,62	61,895	8,52	9,365	31,84	33,268	69,94
17,6	57,534	31,81	15,413	39,17	62,284	9,11	9,633	35,83	33,526	71,54
27,6	57,885	34,56	15,638	40,52	62,628	10,24	9,871	35,76	33,756	72,96
Sett. 6,6	58,187	37,46	15,831	41,65	62,919	11,84	10,077	37,58	33,955	74,18
16.6	58,438	40,44	15,990	42,55	63,149	13,87	10,247	39,26	34,120	75,18
26,5	58,635	43,43	16,114	43,20	63,314	16,26	10,382	40,77	34,251	75,94
Ottobre 6,5	58,778	46,39	16,204	43,62	63,412	18,92	10,482	42,10	34,347	76,47
16,5	58,868	49,26	16,261	43,82	63,442	21,74	10,548	43,23	34,411	76,78
26,5	58,905	51,97	16,287	43.81	63,406	24,61	10,582	44,17	34,444	76,89
Nov. 5,4	58,891	54,46	16,285	43,63	63,308	27,41	10,587	44,89	34,449	76,82
15,4	58,828	56,67	16,258	43,29	63,156	30,04	10,563	45,40	34,428	76,58
25,4	58,720	58,56	16,208	42,82	62,955	32,39	10,515	45,70	34,383	76,21
Dic. 5,3	58,570	60,06	16,137	42,25	62,715	34,37	10,443	45,79	34,317	75,72
15,3	58,382	61,13	16,049	41,61	62,445	35,91	10,351	45,67	34,232	75,14
25,3	58,163	61,75	15,947	40,92	62,152	36,95	10,242	45,35	34,132	74.49
35,3	57,915	61,88	15,833	40,19	61,848	37,45	10,119	44,84	34,019	73,79
Posizione media	1h.2m.52s,186 +54°31′.24″,65		1h.4m.11s,698 +55°.13′.17″,13		1h.4m.58s,977 −55°.40′.42″,84		1h.7m.5s,685 +20°.36′.16″,35		1h.9m.29s,791 +7°.8′.50″,23	

Giorno del mese	37 Ceti gr. : 5,2		$\varkappa^2$ Tucanae gr. : 5,2		91 l Piscium gr. : 5,6		46 ξ Andromedae gr. : 5,0		48 ω Andromedae gr. : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	1.10	8.21	1.12	69.17	1.16	28.18	1.17	45. 6	1.22	44.59
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	20,383	27,91	62,17	95,65	39,849	68,57	35,590	35,19	49,879	38,92
10,3	20,263	28,63	61,61	95,62	39,711	68,09	35,396	35,02	49,688	38,79
20,2	20,137	29,20	61,06	94,99	39,564	67,38	35,191	34,44	49,484	38,26
30,2	20,012	29,60	60,52	93,78	39,413	66,44	34,982	33,47	49,276	37,34
Febbr. 9,2	19,891	29,80	60,02	92,02	39,267	65,31	34,780	32,15	49,073	36,07
19,1	19,782	29,80	59,58	89,77	39,133	64,04	34,596	30,54	48,886	34,49
Marzo 1,1	19,691	29,58	59,19	87,09	39,020	62,69	34,440	28,69	48,726	32,68
11,1	19,623	29,13	58,88	84,04	38,935	61,32	34,322	26,69	48,603	30,72
21,0	19,586	28,45	58,65	80,71	38,887	59,99	34,251	24,64	48,527	28,68
31,0	19,584	27,52	58,51	77,17	38,881	58,78	34,234	22,61	48,504	26,67
Aprile 10,0	19,622	26,36	58,46	73,50	38,922	57,74	34,276	20,70	48,540	24,76
20,0	19,702	24,96	58,52	69,77	39,013	56,93	34,380	18,99	48,637	23,04
30,0	19,825	23,36	58,67	66,07	39,153	56,40	34,545	17,55	48,796	21,58
Maggio 9,9	19,989	21,57	58,93	62,49	39,341	56,17	34,768	16,44	49,014	20,45
19,9	20,193	19,62	59,28	59,09	39,573	56,28	35,045	15,70	49,286	19,68
29,9	20,431	17,56	59,71	55,95	39,843	56,72	35,367	15,37	49,604	19,30
Giugno 8,8	20,698	15,44	60,22	53,15	40,144	57,49	35,726	15,46	49,960	19,34
18,8	20,986	13,30	60,79	50,77	40,469	58,57	36,113	15,96	50,344	19,79
28,8	21,289	11,21	61,41	48,85	40,808	59,93	36,516	16,86	50,746	20,64
Luglio 8,8	21,599	9,23	62,06	47,44	41,152	61,54	36,925	18,14	51,156	21,87
18,7	21,906	7,40	62,72	46,59	41,493	63,35	37,331	19,76	51,563	23,43
28,7	22,203	5,76	63,38	46,32	41,823	65,31	37,724	21,68	51,958	25,29
Agosto 7,7	22,485	4,37	64,01	46,64	42,135	67,37	38,095	23,85	52,332	27,41
17,6	22,743	3,27	64,60	47,54	42,422	69,48	38,437	26,22	52,679	29,73
27,6	22,973	2,46	65,12	48,98	42,680	71,60	38,744	28,74	52,992	32,20
Sett. 6,6	23,171	1,97	65,57	50,92	42,904	73,68	39,012	31,34	53,267	34,77
16,6	23,335	1,79	65,92	53,30	43,093	75,68	39,238	33,99	53,500	37,37
26,5	23,464	1,90	66,17	56,04	43,246	77,56	39,420	36,62	53,690	39,97
Ottobre 6,5	23,558	2,28	66,31	59,02	43,362	79,30	39,558	39,20	53,837	42,52
16,5	23,617	2,90	66,35	62,13	43,443	80,87	39,653	41,66	53,940	44,96
26,5	23,645	3,72	66,27	65,27	43,489	82,25	39,705	43,96	54,000	47,26
Nov. 5,4	23,643	4,67	66,08	68,30	43,503	83,42	39,715	46,06	54,019	49,36
15,4	23,615	5,72	65,80	71,10	43,487	84,37	39,686	47,92	53,998	51,22
25,4	23,563	6,80	65,43	73,56	43,442	85,09	39,619	49,49	53,939	52,80
Dic. 5,3	23,489	7,88	65,00	75,59	43,372	85,55	39,516	50,73	53,843	54,06
15,3	23,398	8,91	64,51	77,12	43,278	85,75	39,381	51,60	53,714	54,96
25,3	23,292	9,85	63,98	78,08	43,162	85,70	39,218	52,09	53,555	55,48
35,3	23,173	10,67	63,42	78,44	43,029	85,37	39,031	52,16	53,373	55,60
Posizione media	$1^h.10^m.19^s,190$ $-8°.21'.29'',04$		$1^h.13^m.1^s,418$ $-69°.18'.21'',67$		$1^h.16^m.38^s,344$ $+28°.18'.54'',99$		$1^h.17^m.33^s,839$ $+45°.6'.16'',72$		$1^h.22^m.48^s,080$ $+44°.59'.20'',67$	

Giorno del mese	38 Cassiopejae gr. : 6,0		δ Phoenicis gr. : 4,0		50 υ Andromedae gr. : 4,2		102 π Piscium gr. : 5,6		53 χ Ceti gr. : 4,8	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	1.25	69.50	1.27	49.29	1.32	41. 0	1.32	11.43	1.45	11. 4
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	13,59	77,57	53,917	47,29	3,925	19,63	49,538	46,79	37,708	71,93
10,3	13,10	78,05	53,664	47,83	3,754	19,49	49,423	46,15	37,587	72,79
20,2	12,58	77,94	53,405	47,84	3,568	18,99	49,296	45,45	37,455	73,46
30,2	12,06	77,25	53,148	47,34	3,374	18,14	49,164	44,72	37,316	73,92
Febbr. 9,2	11,56	76,02	52,903	46,33	3,184	16,96	49,033	43,98	37,177	74,16
19,2	11,10	74,29	52,677	44,85	3,006	15,52	48,910	43,26	37,044	74,15
Marzo 1,1	10,70	72,14	52,478	42,93	2,850	13,87	48,801	42,59	36,923	73,89
11,1	10,38	69,65	52,313	40,62	2,727	12,07	48,715	42,01	36,823	73,39
21,1	10,17	66,93	52,191	37,98	2,646	10,22	48,659	41,56	36,751	72,63
31,0	10,07	64,10	52,119	35,06	2,615	8,40	48,640	41,28	36,712	71,62
Aprile 10,0	10,09	61,27	52,101	31,93	2,638	6,68	48,661	41,20	36,712	70,37
20,0	10,23	58,54	52,140	28,65	2,719	5,14	48,726	41,36	36,754	68,88
30,0	10,49	56,02	52,238	25,29	2,858	3,85	48,836	41,76	36,840	67,18
Maggio 9,9	10,87	53,81	52,396	21,91	3,054	2,86	48,990	42,42	36,970	65,30
19,9	11,35	51,97	52,611	18,61	3,302	2,21	49,186	43,33	37,142	63,26
29,9	11,92	50,57	52,877	15,45	3,595	1,94	49,420	44,48	37,353	61,12
Giugno 8,9	12,56	49,65	53,190	12,51	3,925	2,06	49,685	45,84	37,597	58,92
18,8	13,25	49,23	53,541	9,86	4,285	2,56	49,974	47,38	37,868	56,72
28,8	13,98	49,33	53,920	7,57	4,664	3,43	50,279	49,07	38,159	54,58
Luglio 8,8	14,73	49,93	54,317	5,69	5,051	4,63	50,593	50,85	38,462	52,55
18,7	15,47	51,03	54,723	4,28	5,438	6,15	50,907	52,68	38,769	50,68
28,7	16,19	52,59	55,124	3,38	5,815	7,95	51,214	54,50	39,073	49,04
Agosto 7,7	16,88	54,58	55,511	3,02	6,175	9,96	51,507	56,27	39,365	47,66
17,7	17,52	56,95	55,873	3,20	6,510	12,15	51,780	57,95	39,640	46,59
27,6	18,10	59,64	56,200	3,92	6,814	14.46	52,028	59,49	39,892	45,84
Sett. 6,6	18,61	62,60	56,486	5,14	7,083	16,85	52,247	60,87	40,116	45,43
16,6	19,04	65,77	56,722	6,83	7,315	19,26	52,434	62,05	40,310	45,37
26,6	19,39	69,09	56,904	8,92	7,506	21,64	52,588	63,03	40,471	45,64
Ottobre 6,5	19,65	72,48	57,030	11,33	7,657	23,97	52,710	63,80	40,598	46,20
16,5	19,82	75,88	57,099	13,97	7,768	26,18	52,800	64,36	40,692	47,03
26,5	19,90	79,21	57,112	16,73	7,839	28,25	52,859	64,72	40,753	48,07
Nov. 5,4	19,89	82,40	57,071	19,51	7,871	30,14	52,888	64,89	40,784	49,27
15,4	19,79	85,37	56,981	22,18	7,865	31,80	52,889	64,89	40,785	50,57
25,4	19,60	88,05	56,816	24,65	7,823	33,20	52,864	64,74	40,758	51,90
Dic. 5,4	19,32	90,36	56,673	26,82	7,746	34,32	52,814	64,46	40,706	53,22
15,3	18,97	92,23	56,468	28,62	7,637	35,11	52,742	64,05	40,630	54,47
25,3	18,55	93,60	56,238	29,98	7,498	35,55	52,650	63,54	40,534	55,60
35,3	18,07	94,42	55,990	30,84	7,336	35,64	52,540	62,94	40,420	56,58
Posizione media	$1^h.25^m.10^s,683$ $+69°.50'.54'',31$		$1^h.27^m.52^s,841$ $-49°.29'.36'',29$		$1^h.32^m.2^s,117$ $+41°.0'.2'',81$		$1^h.32^m.48^s,080$ $+11°.43'.39'',23$		$1^h.45^m.36^s,333$ $-11°.5'.11'',40$	

Giorno del mese	2 Persei gr. : 5,6		5 γ Arietis gr. : 4,0		53 Cassiopejae gr. : 5,6		113 α² Piscium gr. : 4,3		65 ξ' Ceti gr. : 4 5	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	1.47	50.23	1.49	18.53	1.56	63.59	1.57	2.22	2. 8	8.28
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	1,860	53,22	6,558	58,48	62,38	79,29	52,803	26,21	43,880	7,66
10,3	1,648	53,45	6,441	58,01	62,03	80,00	52,694	25,46	43,774	7,01
20,3	1,414	53,24	6,310	57,40	61,66	80,17	52,570	24,76	43,651	6,35
30,2	1,169	52,60	6,169	56,67	61,27	79,81	52,437	24,13	43,516	5,70
Febbr. 9,2	0,924	51,54	6,025	55,85	60,87	78,92	52,300	23,60	43,375	5,08
19,2	0,692	50,12	5,887	54,97	60,49	77,55	52,167	23,17	43,235	4,51
Marzo 1,1	0,483	48,39	5,762	54,07	60,15	75,76	52,045	22,88	43,105	4,01
11,1	0,313	46,43	5,661	53,21	59,86	73,61	51,941	22,74	42,993	3,61
21,1	0,190	44,32	5,588	52,41	59,65	71,20	51,863	22,79	42,907	3,35
31,1	0,125	42,15	5,552	51,73	59,51	68,64	51,819	23,03	42,853	3,25
Aprile 10,0	0,124	40,02	5,558	51,22	59,47	66,02	51,813	23,48	42,838	3,33
20,0	0,192	38,02	5,610	50,91	59,53	63,46	51,849	24,16	42,867	3,63
30,0	0,329	36,22	5,709	50,84	59,68	61,04	51,930	25,07	42,940	4,15
Maggio 10,0	0,532	34,69	5,855	51,03	59,93	58,87	52,056	26,20	43,059	4,90
19,9	0,797	33,50	6,045	51,49	60,27	57,01	52,224	27,54	43,222	5,88
29,9	1,118	32,68	6,275	52,23	60,69	55,52	52,431	29,06	43,425	7,06
Giugno 8,9	1,485	32,27	6,539	53,21	61,17	54,46	52,672	30,73	43,663	8,43
18,8	1,888	32,28	6,830	54,41	61,71	53,86	52,940	32,51	43,930	9,96
28,8	2,316	32,70	7,141	55,82	62,29	53,72	53,229	34,35	44,219	11,60
Luglio 8,8	2,758	33,53	7,462	57,39	62,89	54,05	53,531	36,21	44,522	13,31
18,8	3,204	34,74	7,786	59,08	63,50	54,85	53,837	38,02	44,831	15,04
28,7	3,642	36,29	8,106	60,83	64,11	56,08	54,141	39,75	45,139	16,74
Agosto 7,7	4,064	38,15	8,413	62,61	64,70	57,71	54,435	41,34	45,439	18,36
17,7	4,461	40,27	8,702	64,37	65,25	59,71	54,714	42,75	45,725	19,86
27,6	4,827	42,60	8,967	66,07	65,77	62,03	54,971	43,94	45,991	21,21
Sett. 6,6	5,155	45,10	9,206	67,66	66,24	64,62	55,203	44,90	46,232	22,37
16,6	5,442	47,70	9,414	69,12	66,66	67,43	55,407	45,60	46.447	23,32
26,6	5,684	50,36	9,590	70,42	67,01	70,40	55,580	46,04	46,632	24,05
Ottobre 6,5	5,881	53,03	9,733	71,55	67,30	73,47	55,722	46,22	46,787	24,56
16,5	6,031	55,66	9,845	72,50	67,52	76,58	55,833	46,17	46,912	24,85
26,5	6,133	58,19	9,925	73,27	67,68	79,66	55,913	45,91	47,006	24,94
Nov. 5,5	6,188	60,57	9,974	73,86	67,76	82,66	55,964	45,47	47,071	24,85
15,4	6,196	62,76	9,993	74,27	67,76	85,49	55,986	44.89	47,106	24,62
25,4	6,157	64,69	9,983	74,51	67,70	88,09	55,980	44,21	47,113	24,25
Dic. 5,4	6,074	66,33	9,946	74,57	67,56	90,38	55,948	43,45	47,092	23,78
15,3	5,948	67,63	9,883	74,48	67,36	92,31	55,890	42,66	47,044	23,24
25,3	5,784	68,54	9,796	74,23	67,09	93,81	55,810	41,86	46,971	22,64
35,3	5,585	69,03	9,687	73,83	66,77	94,83	55,710	41,08	46,875	22,00
Posizione media	$1^h.46^m.59^s,682$ $+50°.23'.34'',65$		$1^h.49^m.4^s,931$ $+18°.53'.49'',07$		$1^h.56^m.59^s,382$ $+63°.59'.58'',50$		$1^h.57^m.51^s,272$ $+2°.22'.22'',56$		$2^h.8^m.42^s,237$ $+8°.28'.2'',33$	

Giorno del mese	68 o Ceti gr. : 1,7 - 9,6		δ Hydri gr. : 4,3		24 ξ Arietis gr. : 5,5		35 (Hev.) Cassiopejae gr. : 4,6		27 Arietis gr. : 6,4	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	2.15	3.20	2.20	69. 1	2.20	10.14	2.22	67. 2	2.26	17.20
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	16,769	40,32	19,70	54,05	30,057	45,33	25,93	41,02	26,450	53,17
10,3	16,662	41,20	19,15	55,02	29,955	44,73	25,57	42,10	26,347	52,77
20,3	16,537	41,96	18,57	55,38	29,834	44,11	25,15	42,65	26,223	52,26
30,3	16,400	42,59	17,98	55,14	29,698	43,47	24,70	42,66	26,082	51,66
Febbr. 9,2	16,257	43,05	17,40	54,31	29,553	42,85	24,23	42,12	25,931	51,00
19,2	16,115	43,34	16,83	52,93	29,408	42,25	23,78	41,05	25,780	50,28
Marzo 1,2	15,981	43,45	16,31	51,03	29,271	41,71	23,36	39,51	25,635	49,56
11,1	15,863	43,36	15,83	48,66	29,151	41,25	22,99	37,57	25,507	48,85
21,1	15,770	43,06	15,43	45,90	29,055	40,91	22,69	35,30	25,403	48,19
31,1	15,707	42,54	15,09	42,81	28,991	40,72	22,48	32,79	25,332	47,63
Aprile 10,1	15,682	41,79	14,85	39,45	28,965	40,70	22,37	30,16	25,302	47,21
20,0	15,699	40,80	14,70	35,90	28,983	40,87	22,37	27,51	25,316	46,95
30,0	15,760	39,60	14,66	32,25	29,046	41,26	22,48	24,94	25,376	46,90
Maggio 10,0	15,865	38,19	14,72	28,57	29,154	41,88	22,69	22,54	25,485	47,08
20,0	16,014	36,59	14,88	24,95	29,308	42,72	23,01	20,39	25,640	47,49
29,9	16,204	34,84	15,14	21,46	29,504	43,77	23,42	18,58	25,837	48,14
Giugno 8,9	16,430	32,97	15,50	18,19	29,735	45,02	23,92	17,15	26,073	49,01
18,9	16,685	31,03	15,93	15,23	29,997	46,43	24,49	16,15	26,340	50,09
28,8	16,963	29,07	16,45	12,65	30,282	47,97	25,10	15,60	26,632	51,35
Luglio 8,8	17,257	27,14	17,02	10,51	30,584	49,59	25,75	15,51	29,941	52,75
18,8	17,559	25,30	17,63	8,87	30,893	51,25	26,43	15,88	27,259	54,26
28,8	17,862	23,61	18,26	7,79	31,203	52,90	27,11	16,70	27,578	55,82
Agosto 7,7	18,158	22,10	18,91	7,30	31,506	54,50	27,78	17,96	27,891	57,41
17,7	18,441	20,82	19,54	7,41	31,797	56,00	28,42	19,61	28,192	58,96
27,7	18,706	19,80	20,13	8,13	32,070	57,35	29,03	21,62	28,475	60,44
Sett. 6,7	18,948	19,07	20,68	9,44	32,320	58,54	29,60	23,95	28,737	61,83
16,6	19,163	18,65	21,16	11,29	32,545	59,53	30,12	26,54	28,973	63,07
26,6	19,349	18,52	21,56	13,63	32,742	60,32	30,57	29,34	29,181	64,16
Ottobre 6,6	19,505	18,68	21,86	16,67	32,909	60,89	30,95	32,31	29,360	65,09
16,5	19,631	19,10	22,06	19,41	33,046	61,26	31,27	35,38	29,510	65,84
26,5	19,726	19,74	22,16	22,64	33,154	61,44	31,50	38,48	29,628	66,43
Nov. 5,5	19,791	20,57	22,15	25,93	33,231	61,44	31,65	41,56	29,716	66,86
15,5	19,826	21,52	22,03	29,17	33,279	61,28	31,71	44,53	29,774	67,13
25,4	19,832	22,56	21,80	32,22	33,298	61,00	31,70	47,33	29,801	67,26
Dic. 5,4	19,810	23,64	21,49	34,98	33,287	60,62	31,60	49,88	29,797	67,26
15,4	19,761	24,71	21,09	37,33	33,248	60,15	31,41	52,11	29,763	67,13
25,3	19,687	25,74	20,62	39,20	33,183	59,61	31,14	53,94	29,700	66,89
35,3	19,590	26,68	20,10	40,54	33,091	59,03	30,81	55,32	29,609	66,53
Posizione media	$2^h.15^m.15^s,185$ $-3°.20'.41'',63$		$2^h.20^m.18^s,120$ $-69°.1'.40'',07$		$2^h.20^m.28^s,332$ $+10°.14'.39'',84$		$2^h.22^m.22^s,280$ $+67°.2'.21'',30$		$2^h.26^m.24^s,613$ $+17°.20'.45'',70$	

Giorno del mese	76 σ Ceti gr. : 4,8		78 ν Ceti gr. : 5,0		128 (Heis) Ceti gr. : 5,9		83 ε Ceti gr. : 5,0		12 Persei gr. : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	2.28	15.35	2.31	5.14	2.31	6.30	2.35	12.12	2.37	39.51
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	16,416	61,30	39,000	28,69	39,942	7,39	40,357	57,67	10,047	20,86
10,3	16,299	62,42	38,902	27,97	39,848	6,74	40,248	58,75	9,912	21,19
20,3	16,164	63,28	38,783	27,28	39,732	6,11	40,119	59,64	9,747	21,21
30,3	16,014	63,88	38,648	26,64	39,600	5,52	39,974	60,29	9,559	20,91
Febbr. 9,2	15,856	64,20	38,503	26,07	39,459	4,98	39,819	60,70	9,357	20,30
19,2	15,698	64,23	38,356	25,59	39,315	4,51	39,663	60,84	9,153	19,40
Marzo 1,2	15,546	63,97	38,214	25,21	39,177	4,13	39,512	60,71	8,957	18,26
11,1	15,409	63,41	38,087	24,95	39,053	3,87	39,374	60,32	8,782	16,91
21,1	15,296	62,56	37,983	24,84	38,952	3,74	39,259	59,66	8,637	15,42
31,1	15,213	61,44	37,909	24,90	38,882	3,78	39,173	58,73	8,534	13,86
Aprile 10,1	15,167	60,05	37,872	25,15	38,849	4,00	39,123	57,54	8,480	12,30
20,0	15,162	58,41	37,877	25,61	38,857	4,42	39,114	56,11	8,481	10,81
30,0	15,203	56,55	37,926	26,28	38,910	5,06	39,150	54,45	8,541	9,45
Maggio 10,0	15,290	54,50	38,021	27,16	39,009	5,91	39,230	52,59	8,659	8,28
20,0	15,420	52,30	38,161	28,25	39,153	6,97	39,356	50,58	8,834	7,35
29,9	15,593	50,00	38,342	29,54	39,339	8,23	39,525	48,44	9,062	6,71
Giugno 8,9	15,805	47,65	38,560	30,99	39,562	9,66	39,732	46,22	9,337	6,38
18,9	16,050	45,31	38,810	32,56	39,816	11,23	39,972	43,99	9,651	6,36
28,8	16,321	43,03	39,085	34,23	40,096	12,89	40,238	41,80	9,997	6,66
Luglio 8,8	16,611	40,88	39,378	35,94	40,393	14,61	40,524	39,71	10,364	7,27
18,8	16,912	38,93	39,680	37,65	40,700	16,33	40,822	37,77	10,743	8,16
28,8	17,218	37,22	39,985	39,30	41,009	18,01	41,125	36,05	11,126	9,32
Agosto 7,7	17,519	35,81	40,286	40,84	41,314	19,60	41,425	34,61	11,505	10,71
17,7	17,810	34,73	40,576	42,24	41,608	21,06	41,716	33,46	11,871	12,28
27,7	18,085	34,03	40,850	43,46	41,886	22,34	41,991	32,65	12,219	14,01
Sett. 6,7	18,338	33,71	41,103	44,46	42,144	23,42	42,247	32,21	12,544	15,84
16,6	18,565	33,78	41,332	45,22	42,377	24,28	42,478	32,14	12,840	17,75
26,6	18,763	34,24	41,534	45,75	42,583	24,91	42,681	32,43	13,105	19,69
Ottobre 6,6	18,931	35,03	41,709	46,03	42,762	25,30	42,855	33,06	13,337	21,63
16,5	19,066	36,14	41,854	46,09	42,911	25,46	42,998	33,99	13,533	23,53
26,5	19,169	37,50	41,970	45,93	43,030	25,42	43,110	35,17	13,692	25,36
Nov. 5,5	19,240	39,04	42,056	45,60	43,120	25,21	43,190	36,55	13,813	27,10
15,5	19,279	40,70	42,112	45,12	43,181	24,84	43,239	38,05	13,895	28,71
25,4	19,286	42,40	42,138	44,53	43,212	24,36	43,257	39,62	13,936	30,17
Dic. 5,4	19,262	44,09	42,136	43,85	43,213	23,80	43.245	41,18	13,937	31,43
15,4	19,210	45,68	42,104	43,13	43,185	23,18	43,203	42,68	13,896	32,47
25,3	19,130	47,13	42,044	42,40	43,129	22,53	43,132	44,07	13,816	33,26
35,3	19,025	48,39	41,954	41,66	43,047	21,88	43,036	45,30	13,698	33,77
Posizione media	$2^h.28^m.14^s,839$ $-15°.35'.58'',52$		$2^h.31^m.37^s,261$ $+5°.14'.25'',16$		$2^h.31^m.38^s,192$ $+6°.30'.3'',47$		$2^h.35^m.38^s,724$ $-12°.12'.55'',73$		$2^h.37^m.7^s,734$ $+39°.51'.7'',57$	

Giorno del mese	ι Eridani gr. : 4,1		43 σ Arietis gr. : 5,5		48 ε Arietis gr. : 4,6		91 λ Ceti gr. : 4,7		11 τ³ Eridani gr : 4,2	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	2.37	40.11	2.47	14.44	2.54	21.1	2.55	8.35	2.58	23.56
	s	″	s	″	s	″	s	″	s	″
Genn. 0,3	29,787	74,97	2,964	61,99	36,628	8,83	24,182	11,10	50,928	34,38
10,3	29,602	76,36	2,872	61,54	36,536	8,60	24,092	10,46	50,807	35,81
20,3	29,395	77,29	2,755	61,03	36,416	8,25	23,979	9,83	50,661	36,92
30,3	29,173	77,75	2,618	60,47	36,274	7,79	23,845	9,23	50,495	37,69
Febbr. 9,2	28,942	77,73	2,468	59,88	36,117	7,23	23,697	8,66	50,316	38,09
19,2	28,712	77,24	2,312	59,27	35,954	6,58	23,543	8,14	50,132	38,13
Marzo 1,2	28,491	76,28	2,160	58,67	35,792	5,88	23,391	7,69	49,950	37,79
11,1	28,289	74,89	2,021	58,10	35,643	5,14	23,250	7,33	49,780	37,09
21,1	28,115	73,09	1,903	57,59	35,516	4,40	23,128	7,08	49,630	36,04
31,1	27,976	70,93	1,816	57,18	35,419	3,71	23,035	6,97	49,508	34,68
Aprile 10,1	27,880	68,46	1,766	56,90	35,361	3,12	22,977	7,02	49,422	33,00
20,0	27,833	65,72	1,759	56,79	35,347	2,64	22,961	7,26	49,377	31,04
30,0	27,838	62,78	1,798	56,87	35,381	2,34	22,989	7,68	49,378	28,86
Maggio 10,0	27,897	59,69	1,884	57,15	35,464	2,23	23,063	8,31	49,426	26,47
20,0	28,011	56,53	2,017	57,65	35,596	2,33	23,183	9,15	49,522	23,93
29,9	28,177	53,35	2,194	58,36	35,773	2,66	23,347	10,18	49,664	21,31
Giugno 8,9	28,391	50,25	2,411	59,27	35,992	3,21	23,551	11,39	49,849	18,65
18,9	28,647	47,30	2,661	60,37	36,246	3,98	23,788	12,74	50,071	16,03
28,8	28,940	44,57	2,938	61,63	36,528	4,93	24,053	14,20	50,326	13,50
Luglio 8,8	29,260	42,14	3,235	63,00	36,832	6,06	24,338	15,74	50,605	11,15
18,8	29,600	40,07	3,544	64,46	37,149	7,32	24,637	17,30	50,903	9,04
28,8	29,950	38,42	3,858	65,95	37,473	8,67	24,942	18,84	51,210	7,22
Agosto 7,7	30,301	37,25	4,169	67,43	37,795	10,07	25,247	20,31	51,519	5,76
17,7	30,644	36,60	4,472	68,87	38,109	11,49	25,544	21,68	51,824	4,71
27,7	30,970	36,48	4,760	70,21	38,409	12,88	25,829	22,90	52,118	4,08
Sett. 6,7	31,274	36,89	5,030	71,43	38,692	14,21	26,096	23,94	52,394	3,91
16,6	31,547	37,83	5,277	72,50	38,953	15,45	26,343	24,77	52,648	4,20
26,6	31,784	39,26	5,499	73,40	39,189	16,58	26,565	25,38	52,876	4,93
Ottobre 6,6	31,982	41,13	5,694	74,13	39,399	17,57	26,762	25,78	53,074	6,07
16,5	32,138	43,36	5,862	74,68	39,580	18,43	26,931	25,96	53,240	7,57
26,5	32,249	45,86	5,999	75,05	39,732	19,15	27,073	25,95	53,373	9,37
Nov. 5,5	32,315	48,55	6,107	75,26	39,853	19,73	27,185	25,76	53,471	11,39
15,5	32,337	51,30	6,185	75,34	39,943	20,17	27,267	25,44	53,534	13,55
25,4	32,315	54,02	6,232	75,28	40,000	20,49	27,319	24,99	53,561	15,75
Dic. 5,4	32,251	56,61	6,247	75,12	40,025	20,69	27,339	24,46	53,554	17,92
15,4	32,149	58,96	6,230	74,86	40,014	20,77	27,328	23,88	53,512	19,98
25,4	32,011	61,00	6,182	74,52	39,968	20,73	27,285	23,26	53,437	21,84
35,3	31,841	62,65	6,104	74,11	39,893	19,57	27,213	22,62	53,332	23,46
Posizione media	$2^h.37^m.28^s,232$ $-40°.12'.5'',68$		$2^h.47^m.1^s,044$ $+14°.44'.56'',16$		$2^h.54^m.34^s,582$ $+21°.1'.1'',54$		$2^h.55^m.22^s,285$ $+8°.35'.7'',41$		$2^h.58^m.49^s,232$ $-23°.56'.28'',87$	

Giorno del mese	58 ζ Arietis gr. : 5,0		16 τ³ Eridani gr. : 4,0		61 τ' Arietis gr. : 5,2		4 s Tauri gr. : 5,1		17 Eridani gr. : 4,8	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	3.10	20.44	3.15	22.2	3.16	20.51	3.25	11.3	3.26	5.20
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	16,642	48,74	56,579	72,39	34,974	27,29	60,767	36,85	37,708	68,79
10,3	16,559	48,53	56,471	73,91	34,895	27,10	60,696	36,30	37,630	69,92
20,3	16,446	48,23	56,335	75,13	34,785	26,82	60,595	35,75	37,523	70,90
30,3	16,308	47,82	56,175	76,02	34,648	26,44	60,467	35,20	37,390	71,70
Febbr. 9,3	16,151	47,32	56,000	76,55	34,492	25,96	60,320	34,68	37,239	72,31
19,2	15,985	46,74	55,816	76,73	34,325	25,41	60,160	34,18	37,077	72,72
Marzo 1,2	15,818	46,09	55,631	76,55	34,156	24,79	59,996	33,73	36,911	72,92
11,2	15,661	45,42	55,456	76,02	33,996	24,13	59,839	33,33	36,752	72,90
21,2	15,524	44,74	55,297	75,15	33,855	23,47	59,697	33,02	36,607	72,65
31,1	15,415	44,09	55,164	73,94	33,741	22,84	59,581	32,81	36,486	72,17
Aprile 10,1	15,343	43,52	55,066	72,43	33,663	22,28	59,498	32,73	36,397	71,47
20,1	15,314	43,07	55,007	70,64	33,628	21,82	59,454	32,80	36,345	70,54
30,0	15,332	42,77	54,993	68,60	33,640	21,50	59,454	33,04	36,336	69,38
Maggio 10,0	15,399	42,64	55,025	66,34	33,701	21,36	59,500	33,46	36,372	68,02
20,0	15,515	42,71	55,105	63,93	33,811	21,41	59,593	34,06	36,453	66,47
30,0	15,677	42,99	55,231	61,40	33,968	21,66	59,732	34,85	36,578	64,76
Giugno 8,9	15,882	43,48	55,400	58,81	34,168	22,11	59,913	35,82	36,745	62,94
18,9	16,124	44,17	55,608	56,24	34,405	22,77	60,129	36,93	36,948	61,03
28,9	16,397	45,05	55,849	53,74	34,673	23,61	60,377	38,17	37,183	59,10
Luglio 8,8	16,692	46,09	56,117	51,38	34,966	24,60	60,650	39,49	37,443	57,20
18,8	17,004	47,25	56,405	49,24	35,276	25,72	60,941	40,87	37,721	55,37
28,8	17,324	48,50	56,705	47,37	35,595	26,94	61,242	42,24	38,011	53,68
Agosto 7,8	17,645	49,81	57,011	45,83	35,916	28,20	61,547	43,58	38,306	52,18
17,7	17,961	51,13	57,314	44,68	36,233	29,48	61,849	44,83	38,600	50,92
27,7	18,266	52,42	57,609	43,94	36,540	30,73	62,144	45,97	38,886	49,93
Sett. 6,7	18,556	53,65	57,890	43,65	36,833	31,93	62,426	46,95	39,160	49,26
16,7	18,826	54,79	58,152	43,81	37,107	33,04	62,691	47,76	39,417	48,91
26,6	19,074	55,82	58,390	44,41	37,359	34,04	62,937	48,37	39,654	48,89
Ottobre 6,6	19,297	56,73	58,601	45,43	37,587	34,92	63,160	48,78	39,869	49,19
16,6	19,494	57,51	58,782	46,82	37,789	35,66	63,358	49,00	40,058	49,80
26,5	19,661	58,14	58,933	48,53	37,964	36,29	63,53:	49,03	40,221	50,66
Nov. 5,5	19,798	58,65	59,050	50,47	38,108	36,79	63,675	48,91	40,355	51,74
15,5	19,904	59,04	59,132	52,58	38,222	37,17	63,790	48,65	40,459	52,98
25,5	19,978	59,31	59,180	54,76	38,302	37,44	63,874	48,29	40,532	54,33
Dic. 5,4	20,017	59,48	59,192	56,92	38,348	37,61	63,925	47,85	40,571	55,71
15,4	20,021	59,54	59,169	59,00	38,359	37,67	63,940	47,35	40,578	57,09
25,4	19,990	59,50	59,111	60,91	38,333	37,64	63,922	46,82	40,550	58,41
35,4	19,925	59,36	59,019	62,59	38,272	37,52	63,870	46,27	40,489	59,62
Posizione media	$3^h.10^m.14^s,517$ $+20°.44'.42'',31$		$3^h.15^m.54^s,795$ $-22°.3'.7'',19$		$3^h.16^m.32^s,815$ $+20°.51'.21'',16$		$3^h.25^m.58^s,699$ $+11°.3'.33'',74$		$3^h.26^m.35^s,792$ $-5°.21'.7'',60$	

Giorno del mese	19 τ^{3} Eridani gr. : 4,3		10 Tauri gr. : 4,4		11 Tauri gr. : 6,2		h Eridani gr. : 4,6		28 τ^{7} Eridani gr. : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	3.30	21.53	3.32	0. 8	3.35	25. 4	3.39	37.33	3 44	24. 7
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	14,348	79,44	46,229	43,60	58,122	12,42	51,816	75,69	12,496	35,49
10,3	14,248	81,05	46,158	42,62	58,053	12,45	51,676	77,68	12,400	37,25
20,3	14,118	82,37	46,057	41,75	57,948	12,36	51,501	79,27	12,270	-38,70
30,3	13,962	83,36	45,930	41,00	57,813	12,15	51,296	80,42	12,113	39,81
Febbr. 9,3	13,787	84,00	45,782	40,38	57,654	11,81	51,071	81,10	11,934	40,56
19,2	13,601	84,28	45,622	39,91	57,479	11,34	50,833	81,31	11,741	40,92
Marzo 1,2	13,412	84,20	45,457	39,60	57,299	10,76	50,591	81,04	11,543	40,90
11,2	13,229	83,77	45,297	39,46	57,125	10,10	50,356	80,32	11,349	40,51
21,2	13,061	82,99	45,151	39,50	56,967	9,38	50,137	79,16	11,169	39,75
31,1	12,918	81,88	45,029	39,73	56,835	8,64	49,944	77,58	11,011	38,64
Aprile 10,1	12,807	80,45	44,938	40,15	56,738	7,92	49,787	75,64	10,884	37,19
20,1	12,735	78,73	44,884	40,77	56,684	7,26	49,672	73,36	10,795	35,45
30,0	12,706	76,75	44,872	41,60	56,677	6,70	49,604	70,79	10,750	33,43
Maggio 10,0	12,723	74,56	44,905	42,63	56,720	6,28	49,588	68,00	10,750	31,18
20,0	12,788	72,19	44,984	43,84	56,814	6,03	49,626	65,04	10,798	28,75
30,0	12,900	69,69	45,107	45,22	56,957	5,96	49,716	61,98	10,894	26,19
Giugno 8,9	13,055	67,13	45,271	46,73	57,145	6,09	49,857	58,88	11,035	23,55
18,9	13,251	64,56	45,473	48,35	57,373	6,42	50,046	55,84	11,218	20,91
28,9	13,481	62,06	45,706	50,03	57,636	6,95	50,276	52,93	11,437	18,32
Luglio 8,8	13,739	59,68	45,965	51,73	57,927	7,65	50,543	50,22	11,687	15,87
18,8	14,020	57,50	46,242	53,39	58,237	8,50	50,838	47,79	11,961	13,62
28,8	14,315	55,59	46,532	54,96	58,559	9,48	51,155	45,72	12,253	11,63
Agosto 7,8	14,617	54,00	46,826	56,39	58,888	10,54	51,484	44,08	12,554	9,98
17,7	14,920	52,79	47,120	57,63	59,215	11,66	51,818	42,90	12,858	8,72
27,7	15,217	52,00	47,408	58,65	59,536	12,80	52,149	42,25	13,160	7,88
Sett. 6,7	15,502	51,65	47,684	59,41	59,845	13,93	52,470	42,15	13,452	7,51
16,7	15,770	51,75	47,944	59,89	60,138	15,01	52,773	42,59	13,729	7,62
26,6	16,017	52,31	48,186	60,09	60,411	16,03	53,054	43,57	13,987	8,19
Ottobre 6,6	16,239	53,29	48,406	60,00	60,662	16,98	53,306	45,06	14,221	9,21
16,6	16,433	54,66	48,602	59,64	60,889	17,84	53,525	47,00	14,429	10,64
26,5	16,598	56,35	48,772	59,05	61,089	18,60	53,707	49,32	14,607	12,42
Nov. 5,5	16,729	58,30	48,915	58,26	61,259	19,27	53,850	51,93	14,753	14,48
15,5	16,827	60,43	49,023	57,31	61,398	19,85	53,950	54,73	14,864	16,73
25,5	16,890	62,65	49,110	56,25	61,503	20,33	54,007	57,62	14,939	19,09
Dic. 5,4	16,916	64,87	49,160	55,14	61,571	20,73	54,019	60,48	14,977	21,46
15,4	16,906	67,01	49,175	54,01	61,601	21,04	53,986	63,21	14,976	23,76
25,4	16,859	69,01	49,156	52,92	61,591	21,24	53,909	65,73	14,937	25,91
35,4	16,777	70,78	49,100	51,89	61,542	21,35	53,792	67,94	14,861	27,84
Posizione media	$3^{h}.30^{m}.12^{s},499$		$3^{h}.32^{m}.44^{s},244$		$3^{h}.35^{m}.55^{s},794$		$3^{h}.39^{m}.49^{s},925$		$3^{h}.44^{m}.10^{s},591$	
	$-21^{\circ}.54'.14'',13$		$+0^{\circ}.8'.43'',56$		$+25^{\circ}.4'.6'',32$		$-37^{\circ}.34'.7'',14$		$-24^{\circ}.7'.29'',59$	

Giorno del mese	δ Reticuli gr. : 4,4		37 A Tauri gr. : 4,5		47 λ Persei gr. : 4,3		43 ω' Tauri gr. : 5,7		44 p Tauri gr. : 5,6	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	3.57	61.37	3.59	21.51	4. 0	50. 7	4. 4	19.23	4. 5	26.16
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	29,93	54,94	56,575	45,35	35,854	67,02	28,998	48,34	56,166	18,53
10,4	29,63	57,27	56,526	45,30	35,760	68,28	28,952	48,16	56,119	18,68
20,3	29,27	59,11	56,439	45,16	35,611	69,26	28,869	47,94	56,031	18,73
30,3	28,86	60,41	56,317	44,95	35,413	69,91	28,751	47,66	55,907	18,67
Febbr. 9,3	28,42	61,15	56,167	44,65	35,176	70,21	28,605	47,33	55,753	18,49
19,3	27,95	61,32	55,999	44,28	34,914	70,14	28,440	46,96	55,579	18,18
Marzo 1,2	27,49	60,93	55,820	43,83	34,640	69,71	28,264	46,54	55,393	17,75
11,2	27,03	59,99	55,642	43,32	34,369	68,92	28,089	46,08	55,206	17,22
21,2	26,60	58,54	55,476	42,78	34,117	67,82	27,924	45,62	55,031	16,61
31,1	26,21	56,61	55,332	42,23	33,898	66,45	27,779	45,16	54,877	15,94
Aprile 10,1	25,87	54,26	55,219	41,70	33,725	64,87	27,665	44,74	54,755	15,25
20,1	25,58	51,55	55,145	41,23	33,607	63,16	27,588	44,40	54,673	14,58
30,1	25,37	48,52	55,115	40,85	33,553	61,38	27,554	44,15	54,637	13,97
Maggio 10,0	25,23	45,26	55,133	40,59	33,567	59,61	27,567	44,03	54,650	13,46
20,0	25,18	41,84	55,201	40,48	33,650	57,91	27,628	44,05	54,714	13,08
30,0	25,21	38,34	55,317	40,52	33,802	56,35	27,736	44,23	54,828	12,85
Giugno 9,0	25,32	34,84	55,478	40,74	34,017	54,97	27,889	44,57	54,989	12,79
18,9	25,51	31,43	55,681	41,13	34,290	53,82	28,083	45,07	55,193	12,90
28,9	25,77	28,19	55,920	41,68	34,614	52,94	28,315	45,71	55,435	13,18
Luglio 8,9	26,10	25,22	56,189	42,36	34,980	52,33	28,572	46,48	55,708	13,63
18,8	26,49	22,61	56,480	43,17	35,378	52,01	28,855	47,36	56,004	14,22
28,8	26,92	20,42	56,787	44,07	36,801	51,99	29,154	48,30	56,318	14,94
Agosto 7,8	27,39	18,73	57,103	45,03	36,238	52,26	29,463	49,28	56,643	15,75
17,8	27,88	17,59	57,422	46,01	36,682	52,79	29,775	50,26	56,972	16,62
27,7	28,37	17,06	57,738	46,98	37,124	53,58	30,086	51,21	57,298	17,52
Sett. 6,7	28,86	17,15	58,047	47,90	37,556	54,60	30,390	52,10	57,618	18,43
16,7	29,34	17,87	58,343	48,76	37,974	55,82	30,683	52,89	57,927	19,32
26,7	29,78	19,21	58,624	49,54	38,371	57,23	30,962	53,57	58,221	20,17
Ottobre 6,6	30,17	21,12	58,887	50,22	38,743	58,79	31,223	54,14	58,497	20,96
16,6	30,51	23,54	59,128	50,79	39,084	60,48	31,464	54,59	58,751	21,68
26,6	30,79	26,38	59,345	51,26	39,390	62,27	31,682	54,92	58,981	22,34
Nov. 5,5	30,99	29,55	59,536	51,63	39,656	64,13	31,875	55,14	59,184	22,93
15,5	31,12	32,92	59,696	51,92	39,877	66,02	32,039	55,27	59,357	23,46
25,5	31,16	36,37	59,824	52,13	40,048	67,91	32,171	55,32	59,496	23,93
Dic. 5,5	31,12	39,78	59,916	52,28	40,165	69,76	32,268	55,31	59,597	24,34
15,4	31,01	43,03	59,970	52,37	40,224	71,51	32,327	55,24	59,659	24,69
25,4	30,82	46,01	59,983	52,41	40,223	73,12	32,348	55,14	59,678	24,98
35,4	30,55	48,61	59,956	52,38	40,161	74,53	32,327	54,99	59,654	25,18
Posizione media	3h.57m.27s,612 −61°.37′.43″,46		3h.59m.54s,201 +21°.51′.41″,41		4h.0m.32s,567 +50°.7′.57″,69		4h.4m.26s,649 +19°.23′.45″,17		4h.5m.53s,681 +26°.16′.14″,01	

Giorno del mese	51 μ Persei gr. : 4,3		39 A Eridani gr. : 5,1		49 μ Tauri gr. : 4,3		40 o^2 Eridani gr. : 4,5		68 Tauri gr. : 4,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	4. 8	48.12	4.10	10,27	4.11	8.41	4.11	7.46	4.20	17.44
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	59,850	25,23	34,458	27,03	10,274	26,22	34,699	44,46	50,400	39,52
10,4	59,772	26,44	34,402	28,52	10,234	25,56	34,643	45,94	50,368	39,26
20,3	59,639	27,40	34,311	29,81	10,157	24,90	34,551	47,24	50,296	38,99
30,3	59,457	28,06	34,188	30,88	10,046	24,33	34,427	48,33	50,188	38,70
Febbr. 9,3	59,236	28,40	34,038	31,70	9,907	23,81	34,277	49,21	50,049	38,39
19,3	59,988	28,39	33,870	32,26	9,749	23,35	34,108	49,86	49,887	38,05
Marzo 1,2	58,725	28,03	33,691	32,55	9,579	22,98	33,928	50,26	49,712	37,68
11,2	58,463	27,34	33,512	32,57	9,408	22,68	33,746	50,41	49,534	37,30
21,2	58,217	26,34	33,341	32,32	9,245	22,48	33,574	50,32	49,363	36,92
31,1	58,001	25,09	33,188	31,80	9,101	22,38	33,419	49,98	49,210	36,56
Aprile 10,1	57,827	23,63	33,062	31,02	8,985	22,41	33,291	49,40	49,085	36,23
20,1	57,705	22,03	32,969	29,99	8,903	22,37	33,196	48,58	48,996	35,98
30,1	57,644	20,37	32,916	28,72	8,862	22,88	33,140	47,52	48,948	35,82
Maggio 10,0	57,648	18,70	32,907	27,22	8,865	23,36	33,128	46,26	48,946	35,78
20,0	57,719	17,09	32,942	25,53	8,914	24,00	33,161	44,80	48,991	35,87
30,0	57,855	15,60	33,022	23,68	9,009	24,79	33,238	43,18	49,083	36,11
Giugno 9,0	58,053	14,29	33,146	21,71	9,147	25,74	33,359	41,43	49,220	36,50
18,9	58,309	13,19	33,310	19,67	9,324	26,81	33,519	39,61	49,399	37,03
28,9	58,614	12,33	33,509	17,60	9,537	27,98	33,715	37,75	49,615	37,69
Luglio 8,9	58,960	11,73	33,738	15,57	9,778	29,22	33,941	35,91	49,862	38,46
18,8	59,340	11,40	33,992	13,64	10,043	30,49	34,190	34,16	50,133	39,31
28,8	59,745	11,35	34,264	11,86	10,325	31,74	34,458	32,54	50,423	40,22
Agosto 7,8	60,165	11,56	34,548	10,30	10,617	32,93	34,737	31,11	50,724	41,14
17,8	60,592	12,02	34,837	9,01	10,914	34,02	35,022	29,92	51,032	42,05
27,7	61,020	12,72	35,127	8,03	11,210	34,98	35,306	29,03	51,341	42,91
Sett. 6,7	61,440	13,64	35,411	7,40	11,501	35,76	35,586	28,47	51,645	43,69
16,7	61,848	14,75	35,685	7,15	11,781	36,35	35,856	28,26	51,940	44,36
26,7	62,238	16,02	35,946	7,28	12,049	36,72	36,113	28,41	52,224	44,91
Ottobre 6,6	62,604	17,44	36,189	7,78	12,300	36,88	36,353	28,91	52,492	45,32
16,6	62,942	18,98	36,412	8,63	12,531	36,83	36,572	29,74	52,742	45,60
26,6	63,248	20,62	36,612	9,80	12,741	36,59	36,769	30,88	52,971	45,76
Nov. 5,5	63,517	22,32	36,785	11,23	12,926	36,18	36,939	32,26	53,175	45,81
15,5	63,743	24,07	36,929	12,85	13,084	35,64	37,082	33,82	53,352	45,77
25,5	63,923	25,83	37,041	14,60	13,211	35,00	37,193	35,52	53,497	45,66
Dic. 5,5	64,050	27,55	37,119	16,40	13,304	34,30	37,269	37,28	53,607	45,50
15,4	64,122	29,20	37,160	18,20	13,362	33,58	37,310	39,03	53,680	45,30
25,4	64,135	30,72	37,163	19,92	13,381	32,85	37,313	40,71	53,712	45,08
35,4	64,088	32,07	37,128	21,51	13,361	32,15	37,279	42,28	53,703	44,84
Posizione media	$4^h.8^m.56^s,619$ $+48°.12'.16'',93$		$4^h.10^m.32^s,402$ $-10°.27'.23'',64$		$4^h.11^m.8^s,054$ $+8°.41'.25'',65$		$4^h.11^m.32^s,623$ $-7°.46'.41'',59$		$4^h.20^m.48^s,019$ $+17°,44'.37'',59$	

Giorno del mese	43 v^5 Eridani gr. : 4.1		80 Tauri gr. : 5,7		57 *m* Persei gr. : 6,1		86 ϱ Tauri gr. : 4,8		54 Eridani gr. : 4,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Decli. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	4.20	34.11	4.25	15.27	4.27	42.53	4,29	14.40	4,36	19,49
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	61,681	82,86	33,712	44,78	45,713	37,58	17,332	31,39	55,977	39,45
10,4	61,584	85,14	33,684	44,42	45,668	38,62	17,307	30,98	55,927	41,42
20,4	61,447	87,07	33,616	44,05	45,570	39,46	17,241	30,59	55,837	43,13
30,3	61,273	88,60	33,511	43,69	45,424	40,08	17,139	30,21	55,711	44,55
Febbr. 9,3	61,070	89,70	33,375	43,33	45,237	40,44	17,005	29,84	55,555	45,65
19,3	60,846	90,36	33,216	42,98	45,020	40,52	16,847	29,47	55,375	46,40
Marzo 1,3	60,609	90,56	33,043	42,62	44,785	40,31	16,674	29,12	55,180	46,80
11,2	60,372	90,30	32,866	42,27	44,546	39,82	16,497	28,79	54,980	46,85
21,2	60,143	89,61	32,695	41,95	44,316	39,06	16,326	28,49	54,785	46,54
31,2	59,933	88,49	32,541	41,67	44,109	38,07	16,170	28,24	54,606	45,90
Aprile 10,1	59,752	86,98	32,414	41,44	43,937	36,91	16,041	28,04	54,450	44,93
20,1	59,607	85,10	32,321	41,29	43,811	35,61	15,946	27,93	54,325	43,65
30,1	59,504	82,91	32,269	41,25	43,737	34,24	15,891	27,93	54,237	42,08
Maggio 10,1	59,449	80,44	32,262	41,33	43,721	32,86	15,880	28,05	54,192	40,25
20,0	59,444	77,75	32,302	41,55	43,766	31,53	15,915	28,31	54,192	38,21
30,0	59,491	74,90	32,388	41,91	43,872	30,29	15,997	28,71	54,239	35,99
Giugno 9,0	59,587	71,96	32,518	42,42	44,035	29,19	16,124	29,25	54,331	33,65
19,0	59,731	69,00	32,690	43,06	44,251	28,26	16,292	29,92	54,465	31,24
28,9	59,919	66,10	32,899	43,82	44,515	27,53	16,497	30,70	54,638	28,82
Luglio 8,9	60,145	63,34	33,139	44,68	44,819	27,02	16,733	31,58	54,847	26,46
18,9	60,403	60,79	33,404	45,60	45,156	26,74	16,994	32,52	55,084	24,24
28,8	60,688	58,54	33,688	46,56	45,518	26,67	17,275	33,49	55,344	22,21
Agosto 7,8	60,991	56,65	33,984	47,52	45,897	26,82	17,568	34,45	55,620	20,45
17,8	61,307	55,19	34,287	48,44	46,287	27,77	17,869	35,37	55,908	19,02
27,8	61,627	54,22	34,591	49,29	46,680	27,71	18,172	36,20	56,201	17,97
Sett. 6,7	61,945	53,76	34,892	50,04	47,070	28,41	18,472	36,93	56,493	17,34
16,7	62,255	53,85	35,185	50,66	47,451	29,26	18,765	37,52	56,780	17,16
26,7	62,550	54,49	35,467	51,13	47,819	30,24	19,047	37,95	57,058	17,44
Ottobre 6,7	62,825	55,66	35,735	51,45	48,169	31,32	19,315	38,22	57,321	18,17
16,6	63,076	57,31	35,985	51,62	48,497	32,49	19,566	38,34	57,565	19,33
26,6	63,297	59,39	36,214	51,65	48,798	33,75	19,797	38,32	57,787	20,87
Nov. 5,6	63,484	61,82	36,419	51,55	49,069	35,06	20,005	38,17	57,983	22,74
15,5	63,633	64,51	36,598	51,36	49,302	36,41	20,186	37,91	58,149	24,85
25,5	63,742	67,36	36,746	51,09	49,494	37,78	20,337	37,58	58,282	27,12
Dic. 5,5	63,807	70,26	36,859	50,77	49,641	39,15	20,454	37,20	58,378	29,48
15,5	63,828	73,11	36,935	50,42	49,736	40,48	20,533	36,79	58,435	31,83
25,4	63,802	75,81	36,971	50,06	49,777	41,74	20,572	36,38	58,451	34,08
35,4	63,730	78,27	36,965	49,69	49,763	42,88	20,569	35,97	58,425	36,17
Posizione media	4h.20m.59s,617	−34°.12′.15″,19	4h.25m.31s,351	+15°.27′.43″,55	4h.27m.42s,641	+42°.53′.31″,71	4h.29m.14s,971	+14°.40′.30″,50	4h.36m.53s,867	−19°.49′.34″,03

Giorno del mese	α Caeli gr. : 4,5		268 (Gould) Eridani gr. : 6,0		1 π^3 Orionis gr. : 3,3		60 Eridani gr. : 5,2		4 o^1 Orionis gr. : 5,2	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	4.37	42. 0	4.43	28.13	4.45	6.49	4.46	16.21	4.47	14. 6
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	59,285	73,05	13,807	66,26	28,823	13,92	34,666	30,48	59,326	59,86
10,4	59,175	75,64	13,745	68,54	28,809	13,09	34,629	32,37	59,317	59,41
20,4	59,019	77,86	13,641	70,53	28,754	12,35	34,552	34,02	59,264	59,00
30,3	58,820	79,66	13,499	72,17	28,661	11,70	34,438	35,41	59,172	58,61
Febbr. 9,3	58,585	80,99	13,324	73,43	28,535	11,14	34,292	36,50	59,045	58,25
19,3	58,326	81,83	13,124	74,28	28,384	10,67	34,121	37,28	58,892	57,91
Marzo 1,3	58,051	82,16	12,908	74,72	28,216	10,31	33,933	37,74	58,721	57,60
11,2	57,772	82,01	12,686	74,74	28,040	10,05	33,738	37,87	58,542	57,31
21,2	57,500	81,37	12,469	74,34	27,868	9,90	33,547	37,68	58,365	57,06
31,2	57,245	80,26	12,266	73,55	27,709	9,87	33,369	37,17	58,202	56,86
Aprile 10,2	57,019	78,72	12,087	72,38	27,572	9,96	33,213	36,35	58,062	56,71
20,1	56,829	76,79	11,940	70,86	27,466	10,18	33,087	35,24	57,954	56,64
30,1	56,684	74,49	11,832	69,02	27,397	10,55	32,997	33,85	57,884	56,66
Maggio 10,1	56,588	71,89	11,768	66,89	27,370	11,07	32,949	32,22	57,856	56,79
20,0	56,546	69,05	11,750	64,53	27,388	11,74	32,945	30,37	57,874	57,05
30,0	56,559	66,03	11,780	61,98	27,450	12,56	32,986	28,33	57,938	57,43
Giugno 9,0	56,627	62,91	11,858	59,31	27,556	13,51	33,072	26,17	58,046	57,95
19,0	56,748	59,76	11,981	56,58	27,702	14,57	33,199	23,93	58,196	58,59
28,9	56,919	56,66	12,146	53,85	27,885	15,71	33,365	21,66	58,384	59,32
Luglio 8,9	57,135	53,70	12,349	51,22	28,101	16,91	33,565	19,43	58,605	60,14
18,9	57,390	50,96	12,584	48,75	28,343	18,13	33,795	17,31	58,853	61,02
28,9	57,678	48,53	12,846	46,52	28,606	19,31	34,047	15,36	59,122	61,91
Agosto 7,8	57,991	46,49	13,127	44,60	28,884	20,43	34,317	13,65	59,406	62,79
17,8	58,322	44,90	13,422	43,06	29,171	21,43	34,599	12,23	59,701	63,62
27,8	58,664	43,83	13,725	41,95	29,463	22,28	34,887	11,17	60,000	64,36
Sett. 6,7	59,008	43,31	14,030	41,32	29,755	22,94	35,177	10,50	60,300	64,99
16,7	59,347	43,37	14,330	41,20	30,042	23,39	35,462	10,25	60,595	65,47
26,7	59,674	44,03	14,622	41.60	30,321	23,61	35,739	10,43	60,882	65,80
Ottobre 6,7	59,982	45,26	14,898	42,51	30,589	23,59	36,004	11,05	61,159	65,97
16,6	60,265	47,02	15,155	43,89	30,842	23,35	36,252	12,08	61,421	65,98
26,6	60,516	49,26	15,389	45,71	31,077	22,90	36,480	13,47	61,665	65,84
Nov. 5,6	60,730	51,90	15,594	47,90	31,291	22,28	36,684	15,18	61,887	65,57
15,6	60,902	54,83	15,766	50,36	31,480	21,52	36,860	17,13	62,085	65,20
25,5	61,028	57,95	15,902	53,00	31,639	20,66	37,005	19,25	62,253	64,77
Dic. 5,5	61,104	61,15	15,998	55,73	31,766	19,75	37,114	21,46	62,388	64,29
15,5	61,128	64,31	16,051	58,46	31,856	18,82	37,184	23,67	62,485	63,80
25,4	61,100	67,33	16,060	61,08	31,906	17,91	37,213	25,81	62,541	63,32
35,4	61,020	70,11	16,024	63,52	31,915	17,05	37,200	27,81	62,555	62,86
Posizione media	$4^h.37^m.57^s,104$ $-42°.1'.4'',60$		$4^h.43^m.11^s,678$ $-28°.13'.59'',60$		$4^h.45^m.26^s,516$ $+6°.49'.15'',17$		$4^h.46^m.32^s,518$ $-16°.21'.25'',51$		$4^h.47^m.56^s,919$ $+14°.7'.0'',04$	

Giorno del mese	98 *k* Tauri gr. : 5,7		8 ζ Aurigae gr. : 3,9		11 Orionis gr. : 4,7		5 μ Leporis gr. : 3,3		15 λ Aurigae gr. : 4,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	4.53	24.55	4.56	40.57	4.59	15.17	5. 9	16.17	5.13	40. 1
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	14,449	36,01	51,858	34,84	58,809	31,66	19,756	67,12	29,558	43,98
10,4	14,444	36,14	51,848	35,85	58,810	31,26	19,739	69,12	29,569	44,95
20,4	14,393	36,24	51,783	36,74	58,767	30,90	19,679	70,90	29,524	45,83
30,4	14,299	36,29	51,666	37,46	58,682	30,57	19,579	72,42	29,425	46,58
Febbr. 9,3	14,167	36,27	51,503	37,97	58,561	30,26	19,443	73,65	29,278	47,15
19,3	14,006	36,16	51,305	38,24	58,411	29,97	19,278	74,56	29,092	47,51
Marzo 1,3	13,824	35,97	51,082	38,26	58,240	29,70	19,094	75,16	28,878	47,64
11,2	13,632	35,69	50,848	38,02	58,059	29,44	18,898	75,42	28,649	47,52
21,2	13,443	35,32	50,616	37,53	57,879	29,20	18,702	75,36	28,419	47,15
31,2	13,268	34,89	50,400	36,81	57,711	28,99	18,516	74,99	28,201	46,56
Aprile 10,2	13,116	34,41	50,213	35,89	57,565	28,83	18,348	74,30	28,007	45,76
20,1	12,998	33,92	50,065	34,82	57,448	28,72	18,208	73,31	27,849	44,80
30,1	12,920	33,45	49,964	33,65	57,368	28,69	18,102	72,04	27,736	43,73
Maggio 10,1	12,888	33,02	49,917	32,43	57,331	28,76	18,035	70,52	27,674	42,58
20,1	12,904	32,66	49,928	31,21	57,338	28,94	18,011	68,77	27,667	41,41
30,0	12,969	32,41	49,996	30,03	57,391	29,23	18,031	66,83	27,717	40,26
Giugno 9,0	13,082	32,27	50,121	28,95	57,489	29,64	18,094	64,74	27,822	39,18
19,0	13,239	32,25	50,299	27,99	57,630	30,17	18,200	62,55	27,980	38,20
28,9	13,437	32,36	50,525	27,19	57,809	30,80	18,346	60,33	28,186	37,34
Luglio 8,9	13,670	32,59	50,794	26,55	58,021	31,50	18,527	58,13	28,436	36,62
18,9	13,932	32,92	51,098	26,10	58,262	32,26	18,738	56,02	28,723	36,06
28,9	14,217	33,35	51,431	25,83	58,526	33,05	18,976	54,06	29,040	35,67
Agosto 7,9	14,520	33,84	51,786	25,74	58,807	33,83	19,233	52,33	29,381	35,43
17,8	14,834	34,37	52,155	25,82	59,099	34,57	19,506	50,88	29,740	35,34
27,8	15,153	34,92	52,533	26,05	59,397	35,23	19,788	49,76	30,109	35,40
Sett. 6,8	15,474	35,46	52,913	26,43	59,698	35,79	20,076	49,03	30,484	35,59
16,7	15,791	35,96	53,290	26,94	59,996	36,22	20,363	48,72	30,860	35,89
26,7	16,101	36,42	53,660	27,57	60,289	36,50	20,646	48,85	31,231	36,31
Ottobre 6,7	16,400	36,83	54,018	28,30	60,572	36,63	20,920	49,41	31,593	36,82
16,6	16,685	37,18	54,360	29,12	60,842	36,62	21,181	50,40	31,942	37,43
26,6	16,951	37,47	54,680	30,03	61,097	36,47	21,425	51,77	32,273	38,13
Nov. 5,6	17,196	37,72	54,974	31,01	61,331	36,21	21,648	53,47	32,580	38,91
15,6	17,414	37,93	55,236	32,06	61,540	35,86	21,844	55,43	32,858	39,77
25,5	17,601	38,12	55,460	33,17	61,721	35,44	22,011	57,59	33,101	40,70
Dic. 5,5	17,753	38,30	55,641	34,32	61,869	35,00	22,143	59,85	33,301	41,70
15,5	17,865	38,47	55,773	35,47	61,979	34,55	22,236	62,13	33,454	42,74
25,5	17,932	38,64	55,851	36,61	62,048	34,11	22,287	64,36	33,554	43,78
35,4	17,953	38,80	55,873	37,69	62,073	33,70	22,295	66,47	33,598	44,80
Posizione media	$4^h.53^m.11^s,835$ $+24°.55'.34'',82$		$4^h.58^m.48^s,762$ $+40°.57'.31'',70$		$4^h.59^m.56^s,354$ $+15°.17'.32'',29$		$5^h.9^m.17^s,548$ $-16°.18'.1'',94$		$5^h.15^m.26^s,456$ $+40°.1'.42'',37$	

Giorno del mese	6 λ Leporis gr. : 4,3		22 o Orionis gr. : 4,7		25 Orionis gr. : 4,7		20 (Gould) Pictoris gr. : 5 5		ε Columbae gr. : 3,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	5.15	13.15	5.17	0.27	5.20	1.46	5.27	47. 7	5.28	35.31
	s	″	s	″	s	″	s	″	s	″
Genn. 0,4	52,825	38,76	39,878	44,83	34,812	19,35	58,157	76,10	22,514	52,61
10,4	52,818	40,66	39,885	46,11	34,824	18,18	58,082	79,19	22,478	55,41
20,4	52,767	42,36	39,849	47,25	34,792	17,13	57,948	81,96	22,391	57,94
30,4	52,675	43,81	39,772	48,24	34,718	16,23	57,761	84,35	22,257	60,12
Febbr. 9,3	52,547	45,00	39,658	49,06	34,607	15,47	57,527	86,29	22,081	61,90
19,3	52,389	45,90	39,514	49,70	34,465	14,88	57,255	87,75	21,872	63,25
Marzo 1,3	52,211	46,50	39,348	50,16	34,300	14,45	56,956	88,70	21,638	64,14
11,2	52,020	46,80	39,169	50,43	34,123	14,17	56,641	89,14	21,389	64,58
21,2	51,828	46,80	38,988	50,53	33,943	14,06	56,324	89,06	21,137	64,55
31,2	51,644	46,50	38,816	50,45	33,770	14,10	56,015	88,48	20,892	64,07
Aprile 10,2	51,478	45,92	38,661	50,18	33,615	14,31	55,726	87,42	20,666	63,15
20,1	51,338	45,06	38,532	49,73	33,486	14,69	55,469	85,90	20,466	61,83
30,1	51,232	43,93	38,436	49,09	33,390	15,23	55,251	83,97	20,301	60,12
Maggio 10,1	51,164	42,56	38,379	48,28	33,331	15,93	55,080	81,67	20,177	58,07
20,1	51,138	40,97	38,363	47,31	33,314	16,79	54,961	79,05	20,099	55,73
30,0	51,155	39,19	38,390	46,18	33,340	17,79	54,898	76,17	20,070	53,15
Giugno 9,0	51,215	37,27	38,460	44,91	33,409	18,92	54,893	73,11	20,090	50,39
19,0	51,317	35,25	38,571	43,55	33,519	20,15	54,945	69,95	20,159	47,51
28,9	51,459	33,17	38,719	42,12	33,667	21,45	55,054	66,76	20,274	44,61
Luglio 8,9	51,635	31,11	38,901	40,66	33,849	22,79	55,215	63,63	20,433	41,75
18,9	51,842	29,12	39,113	39,22	34,060	24,12	55,425	60,66	20,632	39,02
28,9	52,075	27,26	39,349	37,85	34,295	25,39	55,678	57,94	20,865	36,50
Agosto 7,8	52,328	25,60	39,605	36,59	34,550	26,56	55,968	55,55	21,128	34,28
17,8	52,596	24,20	39,874	35,50	34,820	27,58	56,289	53,57	21,414	32,43
27,8	52,875	23,12	40,152	34,63	35,098	28,41	56,633	52,07	21,717	31,02
Sett. 6,8	53,159	22,39	40,436	34,01	35,382	29,00	56,992	51,13	22,032	30,11
16,7	53,445	22,06	40,720	33,67	35,668	29,34	57,359	50,78	22,352	29,74
26,7	53,727	22,14	41,001	33,63	35,951	29,40	57,726	51,05	22,671	29,93
Ottobre 6,7	54,001	22,64	41,276	33,88	36,227	29,18	58,083	51,94	22,983	30,70
16,6	54,264	23,53	41,540	34,43	36,493	28,68	58,424	53,42	23,282	32,02
26,6	54,512	24,79	41,790	35,25	36,746	27,93	58,739	55,45	23,562	33,84
Nov. 5,6	54,739	26,37	42,022	36,31	36,982	26,97	59,021	57,97	23,816	36,11
15,6	54,942	28,21	42,232	37,54	37,195	25,83	59,263	60,89	24,039	38,75
25,5	55,115	30,22	42,414	38,91	37,382	24,58	59,457	64,10	24,225	41,66
Dic. 5,5	55,255	32,34	42,565	40,35	37,537	23,25	59,599	67,49	24,369	44,73
15,5	55,358	34,49	42,679	41,81	37,656	21,91	59,683	70,93	24,465	47,86
25,5	55,419	36,60	42,753	43,23	37,735	20,61	59,706	74,33	24,511	50,94
35,4	55,436	38,59	42,785	44,57	37,771	19,39	59,667	77,56	24,506	53,88
Posizione media	$5^h.15^m.50^s,592$	$-13°.15'.33'',87$	$5^h.17^m.37^s,567$	$-0°.27'.41'',37$	$5^h.20^m.32^s,477$	$+1°.46'.22'',64$	$5^h.27^m.55^s,721$	$-47°.8'.8'',50$	$5^h.28^m.20^s,220$	$-35°.31'.45'',78$

Giorno del mese	41 θ^1 Orionis gr. : 4,9		43 θ^2 Orionis gr. : 5,2		50 ζ Orionis gr. : 1,9		δ Doradus gr. : 4,5		30 ξ Aurigae gr. : 4,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	5.31	5.26	5.31	5.27	5.36	1.58	5.44	65.45	5.48	55.41
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	20,023	36,28	26,524	70,24	42,620	68,55	40,83	64,29	7,479	22,13
10,4	20,039	37,88	26,539	71,83	42,643	69,97	40,65	67,67	7,526	24,01
20,4	20,010	39,30	26,510	73,26	42,620	71,25	40,37	70,75	7,493	25,79
30,4	19,938	40,53	26,438	74,49	42,555	72,35	40,91	73,44	7,381	27,42
Febbr. 9,3	19,827	41,54	26,328	75,51	42,451	73,27	39,58	75,68	7,199	28,81
19,3	19,685	42,34	26,186	76,30	42,314	73,99	39,08	77,42	6,958	29,91
Marzo 1,3	19,519	42,90	26,020	76,87	42,152	74,51	38,54	78,62	6,670	30,66
11,3	19,339	43,24	25,839	77,20	41,975	74,83	37,98	79,28	6,352	31,04
21,2	19,154	43,34	25,654	77,31	41,793	74,96	37,41	79,39	6,023	31,02
31,2	18,975	43,22	25,475	77,18	41,615	74,88	36,84	78,95	5,699	30,61
Aprile 10,2	18,812	42,87	25,312	76,83	41,452	74,61	36,30	77,99	5,399	29,84
20,2	18,672	42,30	25,173	76,26	41,313	74,14	35,80	76,54	5,137	28,73
30,1	18,564	41,51	25,065	75,47	41,204	73,49	35,36	74,63	4,926	27,34
Maggio 10,1	18,493	40,53	24,993	75,48	41,132	72,65	34,98	72,32	4,776	25,72
20,1	18,462	39,35	24,962	73,30	41,099	71,64	34,68	69,65	4,695	23,94
30,0	18,473	38,00	24,973	71,96	41,109	70,48	34,46	66,69	4,686	22,06
Giugno 9,0	18,527	36,52	25,026	70,48	41,160	69,18	34,33	63,52	4,749	20,14
19,0	18,621	34,93	25,120	68,88	41,252	67,79	34,30	60,21	4,884	18,24
29,0	18,754	33,28	25,253	67,23	41,383	66,33	34,36	56,85	5,086	16,40
Luglio 8,9	18,921	31,61	25,421	65,56	41,548	64,84	34,50	53,54	5,350	14,69
18,9	19,119	29,97	25,618	63,92	41,744	63,38	34,73	50,37	5,670	13,13
28,9	19,343	28,42	25,842	62,37	41,965	61,99	35,04	47,43	6,038	11,75
Agosto 7,9	19,588	27,02	26,087	60,97	42,208	60,73	35,43	44,82	6,446	10,59
17,8	19,849	25,82	26,348	59,76	42,468	59,65	35,88	42,63	6,886	9,65
27,8	20,121	24,86	26,621	58,81	42,739	58,78	36,37	40,94	7,352	8,95
Sett. 6,8	20,401	24,20	26,900	58,14	43,018	58,18	36,91	39.81	7,835	8,50
16,7	20,684	23,86	27,183	57,80	43,301	57,87	37,46	39,30	8,328	8,30
26,7	20,966	23,86	27,465	57,80	43,584	57,88	38,03	39,44	8,825	8,35
Ottobre 6,7	21,243	24,21	27,742	58,16	43,863	58,19	38,59	40,23	9,320	8,65
16,7	21,512	24,91	28,011	58,85	44,135	58,81	39,12	41,67	9,803	9,20
26,6	21,768	25,92	28,268	59,86	44,395	59,71	39,61	43,71	10,269	10,01
Nov. 5,6	22,007	27,20	28,507	61,14	44,639	60,86	40,05	46,28	10,709	11,05
15,6	22,225	28,70	28,725	62,64	44,863	62,21	40,41	49,29	11,113	12,33
25,6	22,417	30,35	28,916	64,30	45,062	63,71	40,69	52,65	11,473	13,81
Dic. 5,5	22,577	32,11	29,076	66,06	45,229	65,30	40,88	56,23	11,778	15,47
15,5	22,700	33,89	29,200	67,84	45,360	66,90	40,97	59,91	12,020	17,27
25,5	22,783	35,63	29,283	69,59	45,452	68,47	40,96	63,57	12,190	19,15
35,4	22,823	37,29	29,323	71,24	45,500	69,95	40,84	67,08	12,282	21,06
Posizione media	$5^h.31^m.17^s,724$ $-5°.26'.31'',94$		$5^h.31^m.24^s,224$ $-5°.28'.5'',89$		$5^h.36^m.40^s,288$ $-1°.59'.4'',38$		$5^h.44^m.37^s,582$ $-65°.45'.56'',79$		$5^h.48^m.3^s,414$ $+55°.41'.22'',46$	

Giorno del mese	136 Tauri gr. : 4,5		γ Columbae gr. : 4,4		1 Geminorum gr. : 4,3		70 ξ Orionis gr. : 4,4		5 Monocerotis gr. : 4,1	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	5.48	27.35	5.54	35.17	5.59	23.16	6. 7	14.13	6.10	6.14
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	16,944	37,04	42,244	35,02	14,449	4,29	22,620	36,41	56,640	61,84
10,4	16,994	37,32	42,238	37,98	14,509	4,29	22,683	35,89	56,691	63,60
20,4	16,992	37,62	42,178	40,69	14,518	4,34	22,697	35,43	56,695	65,20
30,4	16,939	37,91	42,067	43,08	14,476	4,43	22,663	35,05	56,652	66,60
Febbr. 9,4	16,839	38,18	41,912	45,09	14,387	4,53	22,584	34,76	56,566	67,79
19,3	16,698	38,39	41,718	46,69	14,259	4,63	22,466	34,54	56,444	68,75
Marzo 1,3	16,527	38,51	41,494	47,85	14,099	4,69	22,317	34,38	56,292	69,46
11,3	16,336	38,53	41,251	48,56	13,917	4,70	22,146	34,27	56,119	69,93
21,2	16,137	38,44	41,000	48,91	13,725	4,64	21,964	34,19	55,935	70,16
31,2	15,941	38,24	40,751	48,60	13,535	4,53	21,782	34,15	55,751	70,15
Aprile 10,2	15,760	37,94	40,516	47,95	13,357	4,35	21,611	34,13	55,576	69,91
20,2	15,605	37,56	40,303	46,88	13,202	4,13	21,460	34,15	55,419	69,45
30,1	15,483	37,13	40,121	45,41	13,078	3,88	21,337	34,23	55,288	68,77
Maggio 10,1	15,402	36,66	39,977	43,58	12,992	3,62	21,249	34,36	55,190	67,88
20,1	15,366	36,19	39,876	41,43	12,948	3,38	21,200	34,54	55,129	66,80
30,1	15,377	35,74	39,821	39,01	12,949	3,16	21,192	34,79	55,107	65,55
Giugno 9,0	15,436	35,34	39,813	36,38	12,995	2,99	21,227	35,12	55,125	64,16
19,0	15,540	34,99	39,853	33,61	13,085	2,87	21,304	35,52	55,183	62,65
29,0	15,688	34,72	39,940	30,76	13,217	2,81	21,420	35,97	55,279	61,07
Luglio 8,9	15,875	34,52	40,071	27,92	13,387	2,81	21,572	36,47	55,411	59,46
18,9	16,096	34,40	40,242	25,17	13,591	2,87	21,757	36,99	55,575	57,87
28,9	16,347	34,34	40,451	22,60	13,824	2,96	21,970	37,51	55,768	56,36
Agosto 7,9	16,622	34,33	40,692	20,28	14,081	3,07	22,207	37,99	55,986	54,98
17,8	16,916	34,36	40,959	18,31	14,359	3,18	22,464	38,41	56,225	53,78
27,8	17,225	34,42	41,248	16,74	14,651	3,28	22,736	38,75	56,480	52,83
Sett. 6,8	17,543	34,48	41,554	15,66	14,955	3,34	23,020	38,96	56,747	52,16
16,8	17,867	34,53	41,870	15,11	15,266	3,35	23,312	39,03	57,024	51,82
26,7	18,193	34,56	42,190	15,11	15,580	3,29	23,609	38,95	57,307	51,83
Ottobre 6,7	18,517	34,57	42,509	15,68	15,894	3,17	23,907	38,71	57,591	52,19
16,7	18,835	34,57	42,820	16,82	16,205	2,99	24,202	38,32	57,873	52,91
26,6	19,142	34,55	43,117	18,49	16,508	2,75	24,491	37,79	58,148	53,96
Nov. 5,6	19,435	34,53	43,392	20,64	16,797	2,49	24,769	37,14	58,412	55,30
15,6	19,708	34,54	43,640	23,18	17,068	2,22	25,031	36,41	58,659	56,89
25,6	19,953	34,59	43,855	26,04	17,315	1,96	25,270	35,64	58,883	58,66
Dic. 5,5	20,166	34,69	44,029	29,11	17,530	1,74	25,480	34,86	59,078	60,55
15,5	20,339	34,84	44,157	32,27	17,709	1,58	25,655	34,12	59,239	62,48
25,5	20,467	35,05	44,234	35,44	17,844	1,48	25,790	33,44	59,360	64,39
35,5	20,546	35,33	44,259	38,50	17,932	1,46	25,880	32,82	59,437	66,22
Posizione media	5h.48m.14s,171 +27°.35′.39″,32		5h.54m.39s,892 −35°.17′.28″,67		5h.59m.11s,763 +23°.16′.7″,60		6h.7m.20s,085 +14°.13′.40″,73		6h.10m.54s,296 −6°.14′.56″,60	

Giorno del mese	74 *k* Orionis gr. : 5,1		*δ* Columbae gr. : 4,0		6 Lyncis gr. : 6,0		18 *ν* Geminorum gr. : 4,1		13 Monocerotis gr. : 4,5	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	6.11	12.17	6.19	33.23	6.23	58.13	6.24	20.15	6.28	7.23
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	56,228	40,60	11,522	46,65	49,519	22,36	11,866	47,06	33,909	30,30
10,4	56,294	39,91	11,547	49,67	49,628	24,35	11,950	46,83	33,988	29,27
20,4	56,311	39,33	11,518	52,47	49,647	26,34	11,982	46,70	34,018	28,36
30,4	56,281	38,85	11,437	54,99	49,579	28,23	11,963	46,64	34,000	27,60
Febbr. 9,4	56,206	38,48	11,308	57,17	49,429	29,95	11,895	46,65	33,936	26,98
19,3	56,091	38,20	11,137	58,96	49,207	31,42	11,785	46,69	33,831	26,51
Marzo 1,3	55,944	38,00	10,933	60,33	48,925	32,57	11,640	46,75	33,694	26,16
11,3	55,776	37,87	10,705	61,27	48,601	33,36	11,469	46,80	33,532	25,93
21,3	55,596	37,79	10,465	61,76	48,252	33,75	11,285	46,83	33,356	25,82
31,2	55,415	37,76	10,223	61,80	47,897	33,73	11,098	46,83	33,177	25,80
Aprile 10,2	55,244	37,79	9,990	61,41	47,555	33,30	10,918	46,79	33,004	25,89
20,2	55,093	37,87	9,775	60,59	47,243	32,49	10,756	46,73	32,848	26,08
30,2	54,968	38,01	9,586	59,38	46,976	31,32	10,621	46,65	32,716	26,36
Maggio 10,1	54,877	38,22	9,431	57,80	46,765	29,86	10,520	46,56	32,615	26,74
20,1	54,825	38,50	9,316	55,88	46,621	28,16	10,457	46,48	32,550	27,22
30,1	54,813	38,86	9,243	53,68	46,548	26,28	10,436	46,42	32,523	27,79
Giugno 9,0	54,843	39,29	9,214	51,24	46,549	24,26	10,458	46,40	32,536	28,45
19,0	54,914	39,79	9,232	48,63	46,625	22,19	10,522	46,41	32,588	29,18
29,0	55,024	40,35	9,294	45,92	46,774	20,11	10,627	46,46	32,679	29,97
Luglio 9,0	55,170	40,95	9,400	43,17	46,991	18,08	10,769	46,55	32,806	30,79
18,9	55,349	41,57	9,546	40,48	47,271	16,15	10,946	46,66	32,965	31,62
28,9	55,556	42,17	9,730	37,93	47,607	14,35	11,153	46,78	33,154	32,41
Agosto 7,9	55,788	42,73	9,947	35,59	47,993	12,72	11,386	46,90	33,367	33,13
17,9	56,040	43,22	10,193	33,56	48,421	11,28	11,641	46,98	33,602	33,75
27,8	56,307	43,60	10,463	31,90	48,884	10,06	11,914	47,01	33,855	34,22
Sett. 6,8	56,587	43,84	10,753	30,69	49,375	9,07	12,201	46,98	34,122	34,52
16,8	56,875	43,92	11,057	29,99	49,886	8,34	12,499	46,86	34,401	34,62
26,7	57,169	43,83	11,371	29,83	50,411	7,87	12,804	46,65	34,687	34,49
Ottobre 6,7	57,465	43,57	11,688	30,23	50,942	7,67	13,114	46,33	34,978	34,13
16,7	57,759	43,13	12,002	31,19	51,471	7,76	13,424	45,92	35,270	33,55
26,7	58,048	42,53	12,308	32,69	51,991	8,14	13,729	45,44	35,558	32,76
Nov. 5,6	58,326	41,80	12,597	34,68	52,491	8,81	14,026	44,91	35,838	31,80
15,6	58,588	40,97	12,864	37,09	52,962	9,76	14,308	44,35	36,105	30,70
25,6	58,828	40,08	13,102	39,84	53,392	10,99	14,570	43,80	36,352	29,50
Dic. 5,6	59,040	39,18	13,302	42,83	53,769	12,48	14,803	43,28	36,573	28,26
15,5	59,218	38,31	13,459	45,96	54,083	14,19	15,002	42,82	36,761	27,03
25,5	59,355	37,49	13,567	49,12	54,323	16,06	15,160	42,43	36,910	25,86
35,5	59,448	36,76	13,624	52,21	54,481	18,04	15,271	42,16	37,015	24,77
Posizione media	$6^h.11^m.53^s,717$ $+12°.17'.45'',17$		$6^h.19^m.9^s,147$ $-33°.23'.40.'',85$		$6^h.23^m.45^s,227$ $+58°.13'.26'',24$		$6^h.24^m.9^s,231$ $+20°.15'.52'',103$		$6^h.28^m.31^s,453$ $+7°.23'.35'',453$	

Giorno del mese	58 ψ 7 Aurigae gr. : 5,0		13 κ Canis Majoris gr. : 3,8		38 e Geminorum gr. : 4,7		22 σ Canis Majoris gr. : 3,7		A Puppis gr. : 4,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	6.45	41.52	6.46	32.24	6.50	13.16	6.58	27.48	7. 6	39.31
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	5,640	34,38	51,322	56,44	7,026	47,83	31,890	70,20	10,360	34,16
10,5	5,763	35,45	51,381	59,54	7,131	47,10	31,968	73,16	10,433	37,55
20,5	5,822	36,58	51,385	62,46	7,185	46,50	31,992	75,96	10,446	40,80
30,4	5,816	37,73	51,334	65,12	7,188	46,04	31,963	78,52	10,400	43,81
Febbr. 9,4	5,748	38,85	51,233	67,48	7,143	45,70	31,884	80,80	10,298	46,52
19,4	5,623	39,87	51,087	69,47	7,054	45,47	31,761	82,74	10,146	48,87
Marzo 1,3	5,450	40,73	50,904	71,07	6,928	45,33	31,599	84,31	9,951	50,81
11,3	5,242	41,39	50,693	72,25	6,774	45,27	31,408	85,49	9,724	52,31
21,3	5,012	41,83	50,464	72,99	6,601	45,27	31,198	86,26	9,475	53,35
31,3	4,773	42,01	50,229	73,30	6,422	45,32	30,980	86,64	9,214	53,92
Aprile 10,2	4,538	41,93	49.997	73,17	6,246	45,40	30,763	86,61	8,953	54,03
20,2	4,321	41,60	49,779	72,63	6,083	45,51	30,558	86,18	8,703	53,67
30,2	4,133	41,04	49,582	71,68	5,941	45,66	30,372	85,38	8,472	52,86
Maggio 10,2	3,982	40,27	49,415	70,35	5,828	45,85	30,213	84,21	8,268	51,63
20,1	3,876	39,33	49,283	68,67	5,750	46,09	30,086	82,72	8,099	50,00
30,1	3,819	38,26	49,190	66,68	5,709	46,36	29,996	80,93	7,968	48,02
Giugno 9,1	3,814	37,09	49,138	64,44	5,706	46,68	29,945	78,90	7,880	45.74
19,0	3,862	35,87	49,130	61,99	5,743	47,05	29,935	76,66	7,836	43,21
29,0	3,960	34,62	49,165	59,41	5,818	47,44	29,965	74,28	7,838	40,50
Luglio 9,0	4,106	33,38	49,243	56,76	5,930	47,86	30,035	71,83	7,886	37,70
19,0	4,296	32,17	49,361	54,12	6,075	48,28	30,144	69,37	7,978	34,87
28,9	4,526	31,01	49,518	51,58	6,250	48,67	30,288	67,00	8,113	32,11
Agosto 7,9	4,792	29,93	49,708	49,22	6,452	49,01	30,465	64,78	8,288	29,51
17,9	5,089	28,92	49,929	47,13	6,679	49,28	30,673	62,80	8,501	27,16
27,8	5,412	28,00	50,178	45,37	6,925	49,45	30,908	61,13	8,747	25,14
Sett. 6,8	5,756	27,17	50,451	44,03	7,188	49,48	31,166	59,84	9,023	23,54
16,8	6,119	26,45	50,743	43,17	7,465	49,35	31,444	59,00	9,324	22,43
26,8	6,494	25,83	51,049	42,83	7,754	49,07	31,737	58,65	9,645	21,86
Ottobre 6,7	6,878	25,34	51,364	43,04	8,050	48,61	32,041	58,83	9,980	21,87
16,7	7,266	24,98	51,682	43,81	8,351	47,98	32,350	59,53	10,322	22,48
26,7	7,652	24,76	51,997	45,13	8,652	47,21	32,658	60,75	10,664	23,68
Nov. 5,7	8,031	24,70	52,301	46,95	8,949	46,32	32,960	62,46	10,998	25,44
15,6	8,395	24,82	52,588	49,22	9.235	45,34	33,248	64,60	11,314	27,71
25,6	8,735	25,13	52,850	51,86	9,504	44,32	33,514	67,09	11,605	30,41
Dic. 5,6	9,042	25,64	53,078	54,78	9,749	43,30	33,750	69,85	11,862	33,44
15,5	9,308	26,33	53,266	57,88	9,963	42,32	33,950	72,79	12,075	36,71
25,5	9,524	27,19	53,407	61,05	10,138	41,42	34,106	75,81	12,238	40,11
35,5	9.683	28,20	53,498	64,19	10,268	40,63	34,214	78,81	12,346	43,52
Posizione media	$6^h.45^m.2^s,429$ $+41°.52'.40'',58$		$6^h.46^m.48^s,931$ $-32°.24'.51'',22$		$6^h.50^m.4^s,509$ $+13°.16'.54'',18$		$6^h.58^m.29^s,527$ $-27°.49'.5'',04$		$7^h.6^m.7^s,882$ $-39°.31'.29'',75$	

Giorno del mese	20 Monocerotis gr. : 5,0		22 Monocerotis gr. : 4,1		51 Geminorum gr. : 5,3		γ^2 Volantis gr. : 3,9		6 Canis Minoris gr. : 4,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	7. 6	4. 6	7. 7	0.21	7. 8	16.17	7. 9	70.22	7.25	12.10
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	14,674	41,22	46,097	33,81	45,794	43,26	30,52	66,08	19,807	22,49
10,5	14,780	43,03	46,208	35,42	45,919	42,66	30,52	69,90	19,945	21,59
20,5	14,837	44,69	46,270	36,88	45,933	42,21	30,39	73,60	20,033	20,84
30,4	14,845	46,17	46,282	38,15	46,015	41,90	30,14	77,10	20,069	20,26
Febbr. 9,4	14,806	47,43	46,247	39,23	45,986	41,72	29,77	80,31	20,055	19,84
19,4	14,723	48,46	46,168	40,10	45,911	41,64	29,31	83,14	19,993	19,56
Marzo 1,4	14,602	49,26	46,051	40,76	45,796	41,65	28,76	85,55	19,890	19,41
11,3	14,453	49,83	45,905	41,23	45,649	41,72	28,15	87,48	19,755	19,36
21,3	14,285	50,18	45,739	41,50	45,481	41,82	27,49	88,90	19,596	19,40
31,3	14,108	50,31	45,564	41,58	45,302	41,94	26,81	89,80	19,425	19,50
Aprile 10,3	13,931	50,23	45,389	41,50	45,124	42,07	26,12	90,16	19,250	19,66
20,2	13,764	49,95	45,224	41,25	44,957	42,20	25,44	89,98	19,083	19,85
30,2	13,615	49,47	45,077	40,84	44,807	42,32	24,80	89,28	18,932	20,08
Maggio 10,2	13,491	48,81	44,954	40,28	44,684	42,45	24,20	88,08	18,804	20,34
20,1	13,397	47,97	44,862	39,57	44,593	42,59	23,67	86,41	18,705	20,63
30,1	13,337	46,98	44,804	38,73	44,538	42,73	23,20	84,31	18,639	20,95
Giugno 9,1	13,313	45,86	44,781	37,78	44,520	42,89	22,83	81,83	18,609	21,30
19,1	13,325	44,62	44,795	36,74	44,542	43,07	22,56	79,04	18,615	21,68
29,0	13,373	43,31	44,845	35,63	44,602	43,26	22,38	76,02	18,658	22,07
Luglio 9,0	13,456	41,96	44,930	34,49	44,697	43,45	22,31	72,85	18,735	22,47
19,0	13,573	40,61	45,048	33,35	44,827	43,63	22,35	69,62	18,846	22,84
29,0	13,721	39,31	45,196	32,26	44,989	43,79	22,50	66,42	18,988	23,18
Agosto 7,9	13,896	38,12	45,372	31,27	45,179	43,90	22,76	63,37	19,158	23,46
17,9	14,095	37,08	45,572	30,41	45,393	43,94	23,11	60,56	19,354	23,64
27,9	14,317	36,24	45,795	29,74	45,631	43,89	23,56	58,09	19,574	23,70
Sett. 6,8	14,559	35,66	46,037	29,29	45,887	43,73	24,09	56,05	19,815	23,62
16,8	14,817	35,37	46,295	29,11	46,160	43,43	24,68	54,54	20,073	23,38
16,7	15,089	35,40	46,567	29,21	46,447	43,00	25,33	53,62	20,348	22,95
Ottobre 6,8	15,371	35,76	46,850	29,62	46,745	42,43	26,01	53,33	20,637	22,34
16,7	15,660	36,46	47,139	30,33	47,050	41,72	26,71	53,71	20,935	21,56
26,7	15,951	37,49	47,432	31,33	47,359	40,89	27,39	54,75	21,239	20,61
Nov. 5,7	16,240	38,81	47,722	32,60	47,666	39,97	28,04	56,43	21,545	19,52
15,7	16,520	40,38	48,004	34,07	47,965	39,00	28,64	58,70	21,845	18,34
25,6	16,785	42,14	48,271	35,69	48,251	38,01	29,17	61,49	22,134	17,11
Dic. 5,6	17,026	44,03	48,516	37,43	48,514	37,05	29,61	64,70	22,403	15,88
15,6	17,238	45,97	48,732	39,21	48,747	36,16	29,93	68,22	22,645	14,70
25,5	17,413	47,91	48,911	40,95	48,943	35,37	30,14	71,95	22,851	13,59
35,5	17,546	49,78	49,048	42,61	49,095	34,70	30,22	75,75	23,015	12,62
Posizione media	$7^h.6^m.12^s,317$ $-4°.6′.34″,95$		$7^h.7^m.43^s,722$ $-0°.21′.27″,32$		$7^h.8^m.43^s,255$ $+16°.17′.50″,58$		$7^h.9^m.26^s,493$ $-70°.22′.3″,30$		$7^h.25^m.17^s,345$ $+12°.10′.30″,31$	

Giorno del mese	σ Puppis gr. : 3,3		69 ν Geminorum gr. : 4,2		ϱ Carinae gr. : 4,9		71 o Geminorum gr. : 4,9		4 Puppis gr. : 5,1	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	7.26	43. 8	7.30	27. 4	7.33	52.21	7.33	34.45	7.42	14.21
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	42,226	16,38	58,706	27,19	42,273	11,76	55,771	66,36	15,371	63,82
10,5	42,323	19,91	58,865	27,20	42,371	15,51	55,943	66,84	15,505	66,28
20,5	42,356	23,34	58,969	27,38	42,396	19,18	56,057	67,49	15,590	68,60
30,5	42,327	26,57	59,016	27,70	42,348	22,67	56,110	68,26	15,624	70,74
Febbr. 9,4	42,237	29,53	59,008	28,12	42,229	25,89	56,102	69,12	15,608	72,64
19,4	42,092	32,14	58,947	28,61	42,046	28,78	56,037	70,01	15,545	74,28
Marzo 1,4	41,901	34,35	58,840	29,13	41,809	31,27	55,922	70,87	15,441	75,63
11,4	41,672	36,13	58,696	29,63	41,528	33,31	55,766	71,66	15,303	76,68
21,3	41,416	37,45	58,525	30,08	41,214	34,88	55,581	72,32	15,141	77,43
31,3	41,144	38,29	58,338	30,45	40,880	35,94	55,378	72,82	14,964	77,87
Aprile 10,3	40,868	38,65	58,147	30,71	40,538	36,49	55,169	73,14	14,782	78,02
20,2	40,598	38,53	57,962	30,86	40,201	36,52	54,966	73,27	14,604	77,87
30,2	40,344	37,93	57,794	30,89	39,880	36,05	54,780	73,20	14,438	77,44
Maggio 10,2	40,114	36,89	57,650	30,81	39,584	35,09	54,620	72,95	14,291	76,75
20,2	39,916	35,43	57,538	30,62	39,321	33,67	54,493	72,53	14,170	75,80
30,1	39,755	33,58	57,461	30,35	39,099	31,83	54,404	71,96	14,078	74,63
Giugno 9,1	39,635	31,39	57,423	30,01	38,923	29,60	54,357	71,26	14,018	73,25
19,1	39,559	28,92	57,425	29,60	38,799	27,06	54,353	70,46	13,992	71,71
29,1	39,530	26,23	57,467	29,15	38,728	24,27	54,392	69,58	14,000	70,05
Luglio 9,0	39,548	23,40	57,548	28,66	38,713	21,30	54,473	68,64	14,043	68,30
19,0	39,612	20,52	57,665	28,14	38,754	18,25	54,594	67,66	14,119	66,53
29,0	39,722	17,66	57,816	27,59	38,851	15,21	54,752	66,66	14,227	64,80
Agosto 7,9	39,876	14,93	57,999	27,01	39,003	12,27	54,945	65,64	14,366	63,17
17,9	40,072	12,41	58,211	26,39	39,208	9,53	55,170	64,61	14,533	61,69
27,9	40,307	10,21	58,449	25,73	39,462	7,10	55,424	63,58	14,727	60,45
Sett. 6,9	40,577	8,40	58,710	25,02	39,761	5,06	55,703	62,55	14,946	59,49
16,8	40,877	7,07	58,991	24,26	40,100	3,51	56,004	61,53	15,187	58,87
26,8	41,203	6,27	59,291	23,46	40,472	2,51	56,325	60,53	15,447	58,64
Ottobre 6,8	41,548	6,06	59,605	22,61	40,868	2,12	56,663	59,56	15,724	58,82
16,8	41,905	6,46	59,931	21,74	41,280	2,36	57,014	58,65	16,014	59,43
26,7	42,267	7,47	60,265	20,86	41,698	3,25	57,373	57,81	16,312	60,45
Nov. 5,7	42,624	9,07	60,601	20,01	42,111	4,77	57,735	57,07	16,613	61,87
15,7	42,967	11,22	60,932	19,22	42,506	6,88	58,092	56,47	16,910	63,65
25,6	43,286	13,84	61,251	18,51	42,871	9,51	58,436	56,03	17,195	65,72
Dic. 5,6	43,571	16,84	61,551	17,93	43,195	12,57	58,759	55,78	17,461	68,02
15,6	43,813	20,13	61,821	17,50	43,467	15,96	59,051	55,74	17,700	70,46
25,6	44,003	23,60	62,053	17,24	43,678	19,58	59,302	55,91	17,903	72,97
35,5	44,136	27,13	62,240	17,16	43,820	23,29	59,505	56,28	18,064	75,45
Posizione media	$7^h.26^m.39^s,689$ $-43°.8'.12'',91$		$7^h.30^m.56^s,025$ $+27°.4'.36'',32$		$7^h.33^m.39^s,502$ $-52°.21'.9'',28$		$7^h.33^m.52^s,914$ $+34°.46'.16'',17$		$7^h.42^m.13^s,073$ $-14°.21'.58'',05$	

Giorno del mese	c Puppis gr. : 3,7		ξ Puppis gr. : 3,5		6 Puppis gr. : 5,5		13 ζ Canis Minoris gr. : 5,1		83 φ Geminorum gr. : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	7.42	37.46	7.45	24.39	7.46	17. 1	7.47	1.58	7.48	26.58
	s	″	s	″	s	″	s	″	s	″
Genn. 0,5	24,540	20,58	55,574	25,12	3,969	21,89	32,288	20,41	35,188	25,02
10,5	24,661	23,99	55,707	28,06	4,106	24,50	32,439	18,83	35,365	24,95
20,5	24,724	27,31	55,787	30,88	4,193	26,97	32,541	17,40	35,488	25,08
30,5	24,727	30,46	55,814	33,53	4,228	29,26	32,592	16,16	35,554	25,38
Febbr. 9,4	24,672	33,36	55,788	35,93	4,213	31,31	32,593	15,12	35,564	25,80
19,4	24,564	35,93	55,714	38,04	4,150	33,09	32,548	14,29	35,520	26,32
Marzo 1,4	24,410	38,14	55,597	39,83	4,045	34,58	32,461	13,66	35,428	26,89
11,4	24,218	39,94	55,445	41,26	3,907	35,75	32,340	13,23	35,296	27,46
21,3	23,998	41,31	55,267	42,32	3,744	36,59	32,193	12,97	35,134	27,99
31,3	23,761	42,24	55,073	43,01	3,565	37,11	32,030	12,88	34,954	28,45
Aprile 10,3	23,517	42,71	54,873	43,32	3,380	37,32	31,862	12,95	34,766	28,81
20,2	23,276	42,72	54,676	43,27	3,198	37,21	31,697	13,15	34,581	29,06
30,2	23,048	42,29	54,491	42,85	3,028	36,80	31,543	13,49	34,410	29,19
Maggio 10,2	22,840	41,44	54,324	42,08	2,877	36,10	31,408	13,95	34,260	29,19
20,2	22,659	40,17	54,183	40,99	2,750	35,13	31,299	14,52	34,138	29,09
30,1	22,511	38,53	54,071	39,60	2,652	33,91	31,218	15,20	34,050	28,88
Giugno 9,1	22,399	36,57	53,992	37,94	2,586	32,47	31,169	15,97	33,997	28,57
19,1	22,327	34,32	53,948	36,06	2,554	30,85	31,154	16,80	33,983	28,19
29,1	22,296	31,86	53,940	34,01	2,556	29,09	31,172	17,69	34,007	27,75
Luglio 9,0	22,307	29,24	53,968	31,84	2,593	27,25	31,222	18,60	34,070	27,25
19,0	22,360	26,55	54,032	29,63	2,664	25,37	31,305	19,50	34,168	26,69
29,0	22,454	23,87	54,130	27,44	2,767	23,52	31,419	20,36	34,301	26,09
Agosto 7,9	22,589	21,29	54,262	25,34	2,902	21,77	31,561	21,14	34,466	25,44
17,9	22,763	18,90	54,426	23,42	3,066	20,18	31,730	21,79	34,660	24,74
27,9	22,972	16,79	54,620	21,75	3,257	18,82	31,924	22,28	34,882	23,98
Sett. 6,9	23,215	15,04	54,842	20,40	3,474	17,76	32,141	22,56	35,129	23,17
16,8	23,488	13,73	55,089	19,44	3,715	17,05	32,378	22,60	35,398	22,29
26,8	23,786	12,92	55,358	18,93	3,975	16,74	32,635	22,38	35,688	21,36
Ottobre 6,8	24,106	12,67	55,645	18,90	4,252	16,86	32,909	21,87	35,995	20,38
16,8	24,441	13,00	55,947	19,36	4,544	17,43	33,196	21,09	36,317	19,38
26,7	24,783	13,91	56,257	20,33	4,845	18,44	33,492	20,04	36,650	18,36
Nov. 5,7	25,126	15,39	56,570	21,79	5,149	19,87	33,792	18,75	36,988	17,36
15,7	25,460	17,40	56,878	23,68	5,449	21,67	34,091	17,25	37,324	16,43
25,6	25,777	19,87	57,173	25,95	5,738	23,80	34,381	15,61	37,652	15,59
Dic. 5,6	26,065	22,72	57,447	28,53	6,007	26,18	34,655	13,87	37,963	14,87
15,6	26,317	25,86	57,691	31,32	6,249	28,72	34,903	12,11	38,247	14,32
25,6	26,523	29,19	57,896	34,24	6,455	31,34	35,118	10,38	38,495	13,96
35,5	26,678	32,58	58,057	37,18	6,619	33,94	35,295	8,73	38,699	13,80
Posizione media	$7^h.42^m.22^s,098$ $-37°.46'.17'',20$		$7^h.45^m.53^s,254$ $-24.°39'.20'',48$		$7^h.46^m.1^s,674$ $-17°.1'.16'',43$		$7^h.47^m.29^s,952$ $+1°.58'.28'',01$		$7^h.48^m.32^s,557$ $+26°.58'.35'',18$	

GIORNO DEL MESE	1 Cancri gr. : 6,0		11 Puppis gr. : 4,4		2 ω' Cancri gr. : 5,9		8 Cancri gr. : 5,1		10 μ^2 Cancri gr : 5,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	7.52	16.0	7.53	22.39	7.56	25.36	8. 0	13.20	8. 3	21.48
	s	"	s	"	s	"	s	"	s	"
Genn. 0,6	26,070	17,88	24,850	52,29	4,531	45,42	36,260	49,85	2,504	53,70
10,5	26,237	17,12	24,994	55,16	4,713	45,25	36,433	48,90	2,689	53,26
20,5	26,355	16,54	25,084	57,92	4,843	45,27	36,556	48,13	2,822	53,02
30,5	26,420	16,15	25,121	60,50	4,917	45,47	36,628	47,55	2,901	52,97
Febbr. 9,4	26,432	15,93	25,106	62,85	4,934	45,82	36,647	47,16	2,925	53,09
19,4	26,394	15,85	25,042	64,91	4,898	46,28	36,616	46,94	2,896	53,34
Marzo 1,4	26,311	15,90	24,935	66,66	4,814	46,80	36,541	46,86	2,820	53,69
11,4	26,191	16,04	24,793	68,07	4,689	47,34	36,428	46,90	2,705	54,09
21,3	26,044	16,24	24,624	69,12	4,534	47,87	36,287	47,03	2,559	54,52
31,3	25,879	16,48	24,438	69,81	4,359	48,34	36,127	47,22	2,393	54,93
Aprile 10,3	25,707	16,74	24,244	70,15	4,176	48,73	35,959	47,46	2,217	55,30
20,3	25,537	16,99	24,053	70,13	3,994	49,02	35,792	47,73	2,042	55,61
30,2	25,379	17,24	23,872	69,76	3,824	49,20	35,635	48,01	1,876	55,85
Maggio 10,2	25,240	17,47	23,708	69,05	3,674	49,27	35,496	48,29	1,729	56,02
20,2	25,127	17,68	23,568	68,04	3,550	49,23	35,381	48,59	1,607	56,11
30,2	25,044	17,88	23,156	66,74	3,450	49,09	35,295	48,89	1,515	56,12
Giugno 9,1	24,944	18,06	23,376	65,18	3,402	48,87	35,240	49,19	1,456	56,07
19,1	24,979	18,23	23,330	63,40	3,382	48,57	35,218	49,48	1,432	55,96
29,1	24,999	18,38	23,318	61,46	3,399	48,20	35,230	49,76	1,143	55,79
Luglio 9,0	25,053	18,50	23,342	59,40	3,453	47,75	35,275	50,02	1,489	55,57
19,0	25,141	18,58	23,401	57,29	3,543	47,26	35,353	50,24	1,569	55,29
29,0	25,260	18,62	23,493	55,20	3,667	46,72	35,463	50,41	1,682	54,96
Agosto 8,0	25,409	18,58	23,619	53,19	3,882	46,12	35,601	50,51	1,826	54,55
17,9	25,585	18,46	23,776	51,35	4,007	45,45	35,767	50,50	1,999	54,06
27,9	25,786	18,23	23,962	49,75	4,219	44,72	35,959	50,37	2,199	53,49
Sett. 6,9	26,012	17,87	24,176	48,46	4,457	43,92	36,175	50,10	2,425	52,82
16,9	26,259	17,37	24,416	47,54	4,718	43,04	36,413	49,67	2,674	52,04
26,8	26,526	16,73	24,678	47,05	5,000	42,09	36,673	49,06	2,944	51,16
Ottobre 6,8	26,811	15,93	24,960	47,02	5,301	41,08	36,950	48,27	3,234	50,18
16,8	27,110	14,98	25,257	47,47	5,618	40,02	37,243	47,32	3,540	49,11
26,7	27,419	13,91	25,564	48,42	5,946	38,95	37,548	46,21	3,859	47,98
Nov. 5,7	27,734	12,74	25,876	49,84	6,281	37,88	37,860	44,98	4,185	46,81
15,7	28,049	11,52	26,185	51,68	6,617	36,85	38,173	43,66	4,513	45,65
25,7	28,357	10,29	26,482	53,89	6,944	35,91	38,480	42,30	4,835	44,53
Dic. 5,6	28,648	9,09	26,759	56,40	7,256	35,09	38,772	40,95	5,143	43,50
15,6	28,915	7,97	27,008	59,12	7,543	34,43	39,041	39,67	5,427	42,61
25,6	29,149	6,97	27,222	61,96	7,795	33,96	39,279	38,49	5,678	41,88
35,6	29,342	6,13	27,391	64,83	8,005	33,68	39,476	37,45	5,889	41,34
Posizione media	$7^h.52^m.23^s,619$ $+16°.0'.27'',16$		$7^h.53^m.22^s,551$ $-22°.39'.47'',54$		$7^h.56^m.1^s,948$ $+25°.36'.55'',88$		$8^h.0^m.33^s,861$ $+13°.20'.59'',15$		$8^h.3^m.0^s,005$ $+21°.49'.4'',11$	

Giorno del mese	(Hev.) Ursae Majoris gr. : 5,5		18 Puppis gr. : 5,6		16 ζ Cancri gr. : 4,7		18 χ Cancri gr. : 5,2		20 d′ Cancri gr. : 5,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	8. 4	68.42	8. 6	13.33	8. 7	17.53	8.15	27.28	8.18	18.35
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	51,44	36,95	56,888	43,14	36,531	24,28	11,380	39,47	46,074	24,68
10,5	51,81	39,10	57,047	45,61	36,716	23,58	11,584	39,32	46,269	23,98
20,5	52,06	41,48	57,157	47,96	36,850	23,08	11,735	39,39	46,415	23,49
30,5	52,19	44,00	57,216	50,12	36,931	22,77	11,830	39,66	46,508	23,20
Febbr. 9,5	52,18	46,55	57,225	52,07	36,959	22,64	11,868	40,10	46,547	23,11
19,4	52,04	49,02	57,185	53,76	36,935	22,67	11,850	40,67	46,533	23,18
Marzo 1,4	51,79	51,31	57,102	55,18	36,865	22,82	11,782	41,32	46,472	23,39
11,4	51,45	53,33	56,983	56,30	36,756	23,07	11,670	41,99	46,371	23,69
21,3	51,02	54,99	56,837	57,12	36,616	23,37	11,524	42,65	46,238	24,05
31,3	50,54	56,22	56,671	57,66	36,456	23,70	11,355	43,25	46,083	24,43
Aprile 10,3	50,02	56,98	56,497	57,90	36,286	24,03	11,174	43,76	45,915	24,82
20,3	49,50	57,25	56,323	57,86	36,117	24,34	10,991	44,15	45,746	25,18
30,2	49,00	57,03	56,157	57,55	35,956	24,62	10,816	44,41	45,584	25,50
Maggio 10,2	48,53	56,33	56,006	56,98	35,812	24,85	10,657	44,54	45,437	25,77
20,2	48,12	55,17	55,877	56,16	35,692	25,05	10,522	44,53	45,312	25,98
30,2	47,77	53,61	55,774	55,12	35,600	25,21	10,417	44,39	45,214	26,14
Giugno 9,1	47,51	51,69	55,699	53,88	35,539	25,33	10,344	44,13	45,146	26,25
19,1	47,34	49,47	55,656	52,47	35,512	25,40	10,307	43,76	45,110	26,30
29,1	47,26	47,02	55,645	50,94	35,519	25,44	10,306	43,29	45,107	26,30
Luglio 9,0	47,27	44,40	55,667	49,31	35,560	25,43	10,341	42,73	45,138	26,25
19,0	47,38	41,66	55,721	47,65	35,634	25,37	10,412	42,10	45,201	26,14
29,0	47,58	38,87	55,806	46,01	35,740	25,25	10,517	41,39	45,296	25,95
Agosto 8,0	47,87	36,09	55,922	44,45	35,876	25,06	10,654	40,60	45,421	25,69
17,9	48,24	33,37	56,067	43,03	36,040	24,78	10,822	39,74	45,575	25,33
27,9	48,68	30,77	56,240	41,82	36,231	24,38	11,019	38,81	45,756	24,86
Sett. 6,9	49,20	28,33	56,439	40,88	36,447	23,87	11,243	37,81	45,963	24,27
16,9	49,78	26,11	56,663	40,25	36,686	23,23	11,494	36,73	46,195	23,54
26,8	50,41	24,14	56,910	39,99	36,947	22,44	11,768	35,59	46,450	22,68
Ottobre 6,8	51,09	22,48	57,177	40,13	37,228	21,52	12,064	34,39	46,726	21,69
16,8	51,81	21,15	57,461	40,68	37,526	20,47	12,378	33,16	47,021	20,57
26,7	52,55	20,19	57,758	41,65	37,837	19,31	12,708	31,92	47,331	19,35
Nov. 5,7	53,30	19,65	58,062	43,01	38,156	18,08	13,048	30,71	47,651	18,06
15,7	54,05	19,54	58,366	44,73	38,478	16,81	13,392	29,56	47,975	16,74
25,7	54,77	19,88	58,663	46,75	38,794	15,54	13,731	28,52	48,296	15,43
Dic. 5,6	55,45	20,67	58,944	49,00	39,097	14,33	14,058	27,62	48,606	14,19
15,6	56,07	21,90	59,202	51,41	39,378	13,22	14,362	26,91	48,895	13,05
25,6	56,60	23,53	59,427	53,90	39,627	12,26	14,634	26,40	49,154	12,07
35,6	57,04	25,52	59,611	56,39	39,836	11,46	14,865	26,13	49,374	11,27
Posizione media	$8^h.4^m.46^s,259$ $+68°.42'.51'',03$		$8^h.6^m.54^s,630$ $-13°.33'.37'',31$		$8^h.7^m.34^s,100$ $+17°.53'.34'',42$		$8^h.15^m.8^s,829$ $+27°.28'.51'',17$		$8^h.18^m.43^s,669$ $+18°.35'.35'',38$	

Giorno del mese	29 Cancri gr. : 5,9		31 o Cancri gr. : 5,6		4 δ Hydrae gr. : 4,2		5 σ Hydrae gr. : 4,5		β Pyxidis gr. : 4,0	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	8.24	14.28	8.27	18.21	8.33	5.58	8.34	3.37	8.36	35. 1
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	8,587	36,93	1,165	57,08	24,403	63,91	33,736	26,79	58,173	14,85
10,5	8,783	35,97	1,368	56,33	24,599	62,42	33,931	25,17	58,362	18,18
20,5	8,930	35,21	1,522	55,80	24,748	61,11	34,080	23,72	58,496	21,51
30,5	9,026	34,65	1,623	55,48	24,848	60,01	34,179	22,47	58,572	24,73
Febbr. 9,5	9,069	34,30	1,670	55,36	24,896	59,12	34,227	21,43	58,590	27,78
19,4	9,060	34,13	1,665	55,42	24,894	58,44	34,226	20,61	58,553	30,57
Marzo 1,4	9,005	34,12	1,612	55,62	24,846	57,96	34,179	20,01	58,466	33,06
11,4	8,910	34,24	1,517	55,92	24,759	57,68	34,093	19,60	58,335	35,20
21,4	8,783	34,45	1,390	56,30	24,641	57,56	33,975	19,38	58,169	36,95
31,3	8,634	34,73	1,239	56,70	24,500	57,58	33,835	19,32	57,977	38,30
Aprile 10,3	8,472	35,05	1,075	57,11	24,346	57,72	33,681	19,41	57,770	39,24
20,3	8,308	35,39	0,908	57,49	24,188	57,97	33,524	19,62	57,556	39,75
30,2	8,150	35,73	0,746	57,84	24,034	58,30	33,371	19,94	57,344	39,83
Maggio 10,2	8,006	36,06	0,598	58,14	23,892	58,70	33,229	20,36	57,143	39,49
20,2	7,883	36,37	0,471	58,38	23,769	59,10	33,105	20,86	56,958	38,75
30,2	7,784	36,66	0,368	58,57	23,668	59,70	33,004	21,43	56,796	37,62
Giugno 9,1	7,714	36,93	0,295	58,70	23,593	60,26	32,929	22,07	56,660	36,15
19,1	7,675	37,17	0,253	58,77	23,547	60,85	32,881	22,76	56,555	34,36
29,1	7,668	37,38	0,244	58,78	23,531	61,46	32,863	23,48	56,484	32,30
Luglio 9,1	7,693	37,55	0,267	58,74	23,544	62,07	32,875	24,20	56,447	30,04
19,0	7,749	37,67	0,322	58,62	23,588	62,65	32,917	24,90	56,447	27,64
29,0	7,836	37,72	0,409	58,43	23,661	63,17	32,988	25,56	56,485	25,18
Agosto 8,0	8,953	37,68	0,525	58,16	23,763	63,61	33,087	26,13	56,560	22,73
17,9	8,097	37,54	0,670	57,78	23,893	63,93	33,214	26,58	56,674	20,39
27,9	8,269	37,27	0,843	57,29	24,050	64,10	33,368	26,88	56,825	18,24
Sett. 6,9	8,467	36,86	1,043	56,68	24,233	64,09	33,549	26,99	57,012	16,37
16,9	8,690	36,29	1,268	55,93	24,442	63,88	33,755	26,88	57,235	14,86
26,8	8,936	35,55	1,517	55,03	24,674	63,43	33,986	26,52	57,491	13,78
Ottobre 6,8	9,204	34,64	1,789	54,00	24,929	62,73	34,240	25,89	57,777	13,20
16,8	9,491	33,56	2,080	52,84	25,204	61,79	34,514	25,00	58,089	13,16
26,8	9,794	32,34	2,387	51,57	25,497	60,62	34,805	23,86	58,420	13,67
Nov. 5,7	10,107	31,00	2,707	50,23	25,801	59,24	35,108	22,49	58,763	14,75
15,7	10,426	29,59	3,032	48,86	26,112	57,70	35,418	20,92	59,110	16,37
25,7	10,743	28,15	3,355	47,50	26,422	56,04	35,726	19,20	59,451	18,47
Dic. 5,6	11,048	26,73	3,668	46,19	26,723	54,31	36,025	17,41	59,776	21,00
15,6	11,334	25,39	3,962	45,00	27,005	52,58	36,307	15,59	60,075	23,88
25,6	11,592	24,17	4,226	43,97	27,260	50,91	36,561	13,80	60,338	27,00
35,6	11,812	23,11	4,453	43,12	27,469	49,36	36,779	12,12	60,556	30,28
Posizione media	8h.24m.6s,246 +14°.28′.47″,24		8h.26m.58s,792 +18°.22′ 8″,08		8h.33m.22s,158 +5°.59′.13″,10		8h.34m.31s,508 +3°.37′.35″,60		8h.36m.55s,852 −35°.1′.12″,82	

GIORNO DEL MESE	*b* Velorum gr. : 4,1		*o* Velorum gr. : 3,9		43 *γ* Cancri gr. : 4,7		14 Hydrae gr. : 5,2		5 *b* Ursae Majoris gr. : 5,7	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	8.37	46.21	8.37	52.38	8.38	21.45	8.45	3. 8	8.46	62.15
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	58,851	37,06	61,144	1,50	38,458	25,93	19,736	37,98	46,76	41,86
10,6	59,049	40,68	61,350	5,22	38,676	25,34	19,937	39,99	47,15	43,43
20,5	59,183	44,33	61,484	9,00	38,844	24,98	20,092	41,85	47,44	45,32
30,5	59,250	47,91	61,543	12,73	38,959	24,85	20,197	43,53	47,63	47,47
Febbr. 9,5	59,250	51,34	61,529	16,32	39,020	24,92	20,252	45,00	47,72	49,78
19,5	59,187	54,53	61,445	19,67	39,027	25,18	20,258	46,23	47,71	52,15
Marzo 1,4	59,068	57,42	61,297	22,73	38,983	25,58	20,218	47,23	47,60	54,47
11,4	58,899	59,94	61,095	25,42	38,896	26,06	20,138	47,98	47,41	56,64
21,4	58,690	62,06	60,847	27,70	38,774	26,60	20,026	48,50	47,14	58,57
31,3	58,450	63,74	60,566	29,53	38,626	27,16	19,891	48,81	46,82	60,18
Aprile 10,3	58,192	64,95	60,263	30,89	38,463	27,68	19,741	48,92	46,45	61,42
20,3	57,924	65,69	59,949	31,74	38,294	28,16	19,586	48,83	46,07	62,23
30,3	57,657	65,94	59,634	32,09	38,129	28,56	19,433	48,57	45,69	62,59
Maggio 10,2	57,400	65,72	59,329	31,94	37,975	28,87	19,289	48,15	45,32	62,50
20,2	57,160	65,03	59,043	31,29	37,841	29,09	19,161	47,58	44,98	61,96
30,2	56,945	63,89	58,782	30,17	37,731	29,22	19,053	46,88	44,68	61,00
Giugno 9,2	56,760	62,34	58,555	28,61	37,648	29,25	18,970	46,07	44,44	59,65
19,1	56,609	60,41	58,366	26,64	37,596	29,19	18,913	45,16	44,25	57,95
29,1	56,497	58,17	58,220	24,34	37,576	29,05	18,884	44,17	44,13	55,95
Luglio 9,1	56,426	55,67	58,122	21,75	37,589	28,82	18,883	43,14	44,07	53,71
19,0	56,399	52,98	58,074	18,95	37,634	28,50	18,911	42,11	44,09	51,27
29,0	56,418	50,20	58,079	16,04	37,710	28,09	18,968	41,10	44,17	48,69
Agosto 8,0	56,484	47,40	58,139	13,10	37,817	27,58	19,053	40,17	44,32	46,02
18,0	56,597	44,69	58,253	10,23	37,954	26,98	19,166	39,35	44,53	43,31
27,9	56,757	42,16	58,423	7,54	38,119	26,26	19,308	38,70	44,81	40,61
Sett. 6,9	56,963	39,91	58,646	5,12	38,312	25,42	19,477	38,26	45,14	37,98
16,9	57,212	38,03	58,920	3,08	38,532	24,47	19,673	38,08	45,53	35,46
26,9	57,502	36,61	59,241	1,50	38,778	23,39	19,895	38,18	45,97	33,10
Ottobre 6,8	57,828	35,72	59,603	0,46	39,048	22,20	20,141	38,59	46,47	30,95
16,8	58,184	35,41	59,998	0,01	39 340	20,91	20,409	39,32	47,00	29,05
26,8	58.562	35,71	60,418	0,20	39,650	19,55	20,696	40,37	47,56	27,45
Nov. 5,7	58,953	35,63	60,851	1,03	39,975	18,15	20,996	41,73	48,15	26,21
15,7	59,346	38,16	61,285	2,49	40,307	16,75	21,305	43,35	48,25	25,36
25,7	59,730	40,25	61,707	4,54	40,639	15,39	21,614	45,18	49,34	24,93
Dic. 5,7	60,093	42,82	62,104	7,11	40,964	14,14	21,915	47,17	49,92	24,96
15,6	60,428	45,81	62,461	10,13	41,270	13,02	22,199	49,25	50,47	25,44
25,6	60,709	49,12	62,767	13,50	41,508	12,09	22,457	51,35	50,96	26,37
35,6	60,941	52,64	63,013	17,10	41,790	11,38	22,680	53,40	51,40	27,72
Posizione media	8h.37m.56s,336 −46°.21′.36″,80		8h.37m.58s,449 −52°.38′.2″,10		8h.38m.36s,087 +21°.45′.37″,94		8h.45m.17s,565 −3°.8′.30″,27		8h.46m.42s,923 +62°.15′.59″,26	

GIORNO DEL MESE	ω Velorum gr. : 4,4		69 ν Cancri gr. : 5,5		145 (Bode) Lyncis gr. : 4,7		76 k Cancri gr. : 5,1		K Pyxidis gr. : 4,8	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	8.57	40.56	8.58	24,45	9. 1	38.46	9. 3	10.59	9. 4	25.31
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	6,267	17,02	2,660	67,72	25,478	20,49	23,887	30,85	31,675	55,25
10,6	6,485	20,49	2,900	67,21	25,752	20.74	24,113	29,54	31,888	58,24
20,5	6,644	24,00	3,092	66,96	25,971	21,31	24,294	28,44	32,055	61,22
30,5	6,743	27,45	3,230	66,97	26,130	22,16	24,427	27,57	32,170	64,10
Febbr. 9,5	6,780	30,77	3,313	67,20	26,225	23,24	24,508	26,94	32,231	66,81
19,5	6,758	33,87	3,340	67,63	26,256	24,48	24,537	26,53	32,239	69,29
Marzo 1,4	6,681	36,69	3,314	68,22	26,226	25,82	24,518	26,32	32,199	71,50
11,4	6,555	39,18	3,243	68,90	26,141	27,19	24,457	26,29	32,116	73,40
21,4	6,390	41,29	3,133	69,63	26,011	28,51	24,360	26,41	31,997	74,97
31,3	6,194	42,98	2,994	70,36	25,846	29,71	24,236	26,64	31,851	76,19
Aprile 10,3	5,978	44,25	2,835	71,05	25,656	30,74	24,094	26,96	31,686	77,06
20,3	5,750	45,07	2,668	71,66	25,454	31,56	23,944	27,34	31,511	77,56
30,3	5,520	45,44	2,500	72,17	25,251	32,15	23,793	27,75	31,335	77,71
Maggio 10,2	5,296	45,36	2,341	72,56	25,056	32,48	23,649	28,18	31,165	77,51
20,2	5,085	44,84	2,198	72,82	24,878	32,54	23,519	28,62	31,006	76,97
30,2	4,893	43,89	2,076	72,94	24,724	32,34	23,407	29,06	30,864	76,11
Giugno 9,2	4,726	42,54	1,980	72,94	24,599	31,89	23,318	29,48	30,743	74,95
19,1	4,587	40,84	1,913	72,80	24,508	31,21	23,254	29,88	30,647	73,52
29,1	4,481	38,82	1,876	72,54	24,452	30,31	23,217	30,24	30,577	71,87
Luglio 9,1	4,411	36,55	1,870	72,16	24,434	29,21	23,208	30,56	30,537	70,04
19,0	4,377	34,09	1,897	71,66	21,453	27,95	23,227	30,82	30,527	68,08
29,0	4,383	31,52	1,954	71,06	24,509	26,55	23,275	31,00	30,548	66,06
Agosto 8,0	4,431	28.91	2,043	70,34	24,602	25,02	23,350	31,09	30,601	64,04
18,0	4,521	26,36	2,162	69,50	24,732	23,38	23,454	31,05	30,688	62,11
27,9	4,653	23,96	2,311	68,55	24,897	21,66	23,586	30,87	30,808	60,33
Sett. 6,9	4,827	21,82	2,489	67,47	25,096	19,87	23,746	30,52	30,961	58,79
16,9	5,042	20,01	2,697	66,29	25,329	18,04	23,933	29,99	31,148	57,56
26,9	5,226	18,63	2,933	64,99	25,596	16,19	24,148	29,25	31,368	56,70
Ottobre 6,8	5,587	17,73	3,195	63,60	25,893	14,36	24,389	28,31	31,618	56,27
16,8	5,908	17,38	3,483	62,13	26,218	12,58	24,655	27,17	31,895	56,31
26,8	6,255	17,61	3,793	60,61	26,569	10,88	24,942	25,84	32,196	56,85
Nov. 5,7	6,619	18,43	4,120	59,08	26,940	9,31	25,247	24,35	32,514	57,87
15,7	6,991	19,83	4,459	57,58	27,324	7,92	25,563	22,74	32,843	59,37
25,7	7,360	21,77	4,801	56,16	27,713	6,76	25,883	21,06	33,174	61,31
Dic. 5,7	7,716	24,20	5,139	54,87	28,096	5,86	26,200	19,36	33,496	63,62
15,6	8,046	27,03	5,462	53,75	28,463	5,26	26,503	17,71	33,800	66,22
25,6	8,339	30,18	5,760	52,85	28,803	4,99	26,783	16,16	34,077	69,04
35,6	8,587	33,53	6,023	52,20	29,103	5,06	27,031	14,76	34,317	71,99
Posizione media	$8^h.57^m.3^s,910$ $-40°.56'.16'',67$		$8^h.58^m.0^s,336$ $+24°.46'.21'',04$		$9^h.1^m.22^s,918$ $+38°.46.36'',29$		$9^h.3^m.21^s,718$ $+10°.59'.41'',68$		$9^h.4^m.29^s,512$ $-25°,31'.52'',18$	

Giorno del mese	77 ξ Cancri gr. : 5,2		ε Pyxidis gr. : 5,6		a Carinae gr. : 3,6		l Velorum gr. : 5,0		θ Pyxidis (h mali) gr. : 4,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	9. 4	22.21	9. 6	30. 1	9. 8	58.38	9,12	38.13	9,17	25,37
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	44,576	72,19	32,578	4,49	52,909	2,77	27,363	54,57	56,498	15,19
10,6	44,817	71,51	32,797	7,64	53,185	6,44	27,596	57,93	56,726	18,18
20,6	45,012	71,09	32,966	10,79	53,382	10,26	27,775	61,35	56,907	21,15
30,5	45,155	70,92	33,082	13,86	53,495	14,12	27,895	64,73	57,037	24,05
Febbr. 9,5	45,243	71,00	33,142	16,78	53,525	17,92	27,956	67,98	57,113	26,79
19,5	45,277	71,28	33,148	19,48	53,474	21,56	27,959	71,04	57,137	29,31
Marzo 1,4	45,259	71,74	33,103	21,91	53,347	24,96	27,907	73,84	57,111	31,58
11,4	45,195	72,31	33,015	24,02	53,153	28,05	27,808	76,32	57,042	33,54
21,4	45,093	72,95	32,889	25,79	52,903	30,77	27,668	78,45	56,935	35,18
31,4	44,961	73,62	32,735	27,19	52,607	33,06	27,497	80,18	56,800	36,48
Aprile 10,3	44,810	74,28	32,562	28,21	52,277	34,90	27,304	81,50	56,644	37,43
20,3	44,649	74,88	32,378	28,84	51,926	36,26	27,097	82,40	56,476	38,02
30,3	44,486	75,41	32,191	29,09	51,565	37,10	26,885	82,86	56,305	58,26
Maggio 10,3	44,331	75,85	32,004	28,96	51,204	37,43	26,676	82,89	56,136	38,15
20,2	44,190	76,17	31,839	28,46	50,855	37,24	26,478	82,50	55,977	37,70
30,2	44,069	76,37	31,685	27,60	50,525	36,54	26,295	81,70	55,833	36,94
Giugno 9,2	43,973	76,46	31,552	26,41	50,222	35,35	26,133	80,51	55,708	35,87
19,1	43,903	76,44	31,444	24,92	49,956	33,72	25,997	78,96	55,605	34,52
29,1	43,862	76,30	31,364	23,17	49,732	31,67	25,889	77,11	55,527	32,95
Luglio 9,1	43,851	76,05	31,314	21,22	49,558	29,28	25,814	74,99	55,476	31,19
19,1	43,871	75,69	31,294	19,12	49,437	26,61	25,772	72,68	55,454	29,29
29,0	43,921	75,22	31,308	16,94	49,375	23,74	25,767	70,25	55,462	27,31
Agosto 8,0	44,001	74,62	31,356	14,74	49,376	20,76	25,800	67,77	55,502	25,32
18,0	44,111	73,91	31,439	12,61	49,441	17,78	25,872	65,33	55,575	23,40
27,9	44,250	73,07	31,557	10,64	49,573	14,90	25,985	63,02	55,681	21,62
Sett. 6,9	44,419	72,10	31,711	8,90	49,773	12,21	26,139	60,93	55,821	20,06
16,9	44,617	71,00	31,900	7,47	50,037	9,85	26,333	59,16	55,996	18,79
26,9	44,843	69,77	32,123	6,43	50,362	7,88	26,567	57,78	56,204	17,88
Ottobre 6,8	45,097	68,42	32,379	5,83	50,743	6,41	26,838	56,87	56,445	17,39
16,8	45,376	66,97	32,664	5,72	51,172	5,51	27,141	56,47	56,715	17,36
26,8	45,678	65,44	32,974	6,13	51,638	5,23	27,472	56,63	57,012	17,82
Nov. 5,8	45,999	63,87	33,302	7,07	52,129	5,60	27,824	57,37	57,328	18,77
15,7	46,332	62,31	33,640	8,52	52,630	6,63	28,187	58,68	57,657	20,19
25,7	46,671	60,80	33,980	10,43	53,126	8,29	28,552	60,51	57,991	22,05
Dic. 5,7	47,005	59,39	34,311	12,76	53,600	10,53	28,906	62,82	58,319	24,30
15,6	47,326	58,14	34,623	15,43	54,036	13,28	29,240	65,53	58,632	26,85
25,6	47,624	57,09	34,906	18,34	54,420	16,46	29,543	68,56	58,919	29,63
35,6	47,888	56,27	35,151	21,34	54,739	19,96	29,803	71,81	59,171	32,56
Posizione media	$9^h.4^m.42^s,312$	$+22°.22'.25'',33$	$9^h.6^m.30^s,387$	$-30°.2'.2'',39$	$9^h.8^m.50^s,056$	$-58°.38'.5'',68$	$9^h.12^m.25^s,094$	$-38°.13'.54'',16$	$9^h.17^m.54^s,378$	$-25°.37'.12'',43$

Giorno del mese	1 *K* Leonis gr. : 4,6		28 Hydrae gr. : 5,8		5 ξ Leonis gr. : 5,1		33 *A* Hydrae gr. : 5,7		10 Leonis (1 Sex.) gr. : 5,1	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	9.19	26.31	9.21	4.46	9.27	11.39	9.30	5.33	9.32	7.11
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	58,679	39,44	23,081	10,51	36,977	21,31	32,152	17,40	58,179	47,45
10,6	58,940	38,92	23,311	12,66	37,224	19,95	32,390	19,60	58,425	45,85
20,6	59,155	38,68	23,499	14,68	37,428	18,81	32,586	21,67	58,630	44,45
30,5	59,318	38,72	23,640	16,53	37,584	17,92	32,735	23,58	58,788	43,28
Febbr. 9,5	59,425	39,02	23,730	18,56	37,689	17,27	32,834	25,28	58,896	42,35
19,5	59,476	39,55	23,770	19,56	37,743	16,87	32,884	26,74	58,954	41,66
Marzo 1,5	59,473	40,25	23,764	20,71	37,748	16,69	32,887	27,95	58,963	41,21
11,4	59,421	41,07	23,716	21,61	37,708	16,70	32,847	28,91	58,928	40,97
21,4	59,327	41,94	23,632	22,27	37,630	16,87	32,770	29,62	58,856	40,92
31,4	59,201	42,83	23,521	22,69	37,523	17,17	32,665	30,10	58,754	41,02
Aprile 10,3	59,053	43,67	23,390	22,90	37,395	17,55	32,540	30,35	58,631	41,26
20,3	58,890	44,43	23,248	22,91	37,254	17,99	32,403	30,40	58,495	41,59
30,3	58,724	45,08	23,103	22,73	37,109	18,47	32,260	30,26	58,354	42,00
Maggio 10,3	58,563	45,58	22,962	22,38	36,967	18,96	32,120	29,93	58,215	42,46
20,2	58,413	45,93	22,830	21,88	36,834	19,44	31,989	29,44	58,085	42,96
30,2	58,281	46,12	22,713	21,23	36,716	19,90	31,870	28,81	57,968	43,49
Giugno 9,2	58,172	46,15	22,615	20,46	36,617	20,33	31,768	28,05	57,868	44,02
19,2	58,088	46,02	22,538	19,58	36,540	20,73	31,687	27,18	57,789	44,55
29,1	58,032	45,73	22,484	18,63	36,487	21,07	31,627	26,22	57,733	45,07
Luglio 9,1	58,006	45,29	22,455	17,62	36,459	21,35	31,591	25,20	57,701	45,55
19,1	58,010	44,71	22,452	16,59	36,458	21,55	31,581	24,16	57,694	45,97
29,0	58,045	43,99	22,475	15,58	36,483	21,66	31,596	23,13	57,713	46,33
Agosto 8,0	58,111	43,13	22,526	14,63	36,535	21,67	31,638	22,16	57,759	46,59
18,0	58,207	42,14	22,605	13,78	36,615	21,54	31,708	21,29	57,831	46,72
28,0	58,334	41,02	22,712	13,09	36,723	21,27	31,806	20,57	57,932	46,70
Sett. 6,9	58,492	39,77	22,849	12,60	36,860	20,83	31,934	20,04	58,062	46,50
16,9	58,681	38,40	23,014	12,35	37,026	20,19	32,091	19,75	58,220	46,10
26,9	58,900	36,92	23,209	12,38	37,221	19,36	32,279	19,75	58,408	45,48
Ottobre 6,9	59,149	35,34	23,433	12,72	37,446	18,32	32,496	20,05	58,626	44,62
16,8	59,426	33,69	23,683	13,40	37,698	17,08	32,742	20,69	58,872	43,52
26,8	59,729	32,00	23,958	14,40	37,975	15,66	33,013	21,67	59,144	42,20
Nov. 5,8	60,054	30,30	24,253	15,72	38,273	14,08	33,305	22,97	59,437	40,67
15,7	60,394	28,65	24,562	17,33	38,588	12,38	33,613	24,56	59,747	38,98
25,7	60,743	27,10	24,877	19,18	38,911	10,61	33,930	26,41	60,067	37,17
Dic. 5,7	61,090	25,70	25,191	21,21	39,235	8,84	34,246	28,46	60,387	35,30
15,7	64,427	24,49	25,493	23,36	39,549	7,11	34,552	30,63	60,699	33,43
25,6	61,742	23,53	25,774	25,56	39,844	5,49	34,839	32,86	60,993	31,63
35,6	62,026	22,84	26,025	27,73	40,110	4,03	35,096	35,07	61,259	29,95
Posizione media	9h.19m.56s,443 +26°.31′.53″,97		9h.21m.21s,035 −4°.46′.2″,97		9h.27m.34s,909 +11°.39′.32″,81		9h.30m.30s,142 −5°.33′.10″,04		9h.32m.56s,155 +7°.11′.57″,98	

Giorno del mese	2 Sextantis gr. : 4,8		35 ε Hydrae gr. : 4,1		l Carinae gr. : 5,0		15 Leonis Minoris gr. : 5,2		85 (Bode) Leonis gr. : 5,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	9.34	5. 0	9.35	0.46	9.43	62. 7	9.43	46.23	9.52	9.18
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	15,879	45,93	45,205	37,10	4,13	56,58	24,782	37,43	10,358	51,32
10,6	16,124	44,22	45,449	39,09	4,49	60,08	25,125	37,76	10,620	49,76
20,6	16,328	42,70	45,652	40,93	4,77	63,81	25,414	38,49	10,843	48,42
30,5	16,486	41,39	45,808	42,57	4,96	67,66	25,640	39,59	11,020	47,32
Febbr. 9,5	16,594	40,32	45,915	43,99	5,07	71,53	25,798	40,99	11,148	46,48
19,5	16,652	39,49	45,972	45,18	5,08	75,34	25,886	42,63	11,226	45,90
Marzo 1,5	16,662	38,90	45,982	46,12	5,00	78,98	25,904	44,42	11,255	45,57
11,4	16,628	38,54	45,949	46,82	4,85	82,38	25,857	46,27	11,239	45,45
21,4	16,557	38,37	45,879	47,29	4,63	85,46	25,753	48,09	11,183	45,52
31,4	16,456	38,38	45,779	47,55	4,36	88,17	25,601	49,80	11,096	45,74
Aprile 10,4	16,334	38,53	45,658	47,63	4,04	90,46	25,413	51,33	10,985	46,08
20,3	16,199	38,80	45,525	47,53	3,68	92,30	25,201	52,62	10,858	46,51
30,3	16,059	39,16	45,386	47,29	3,31	93,64	24,976	53,61	10,723	47,00
Maggio 10,3	15,921	39,61	45,249	46,91	2,92	94,47	24,749	54,28	10,587	47,52
20,2	15,791	40,11	45,119	46,42	2,53	94,78	24,531	54,61	10,456	48,05
30,2	15,674	40,65	45,002	45,83	2,15	94,56	24,330	54,59	10,336	48,58
Giugno 9,2	15,574	41,23	44,901	45,15	1,70	93,84	24,152	54,22	10,231	49,10
19,2	15,494	41,82	44,820	44,41	1,46	92,62	24,003	53,53	10,143	49,58
29,1	15,437	42,41	44,760	43,61	1,16	90,94	23,888	52,52	10,076	50,02
Luglio 9,1	15,403	42,98	44,724	42,80	0,91	88,86	23,808	51,23	10,031	50,41
19,1	15,394	43,52	44,712	41,99	0,72	86,43	23,767	49,68	10,009	50,72
29,1	15,411	43,99	44,725	41,22	0,58	83,73	23,765	47,91	10,011	50,95
Agosto 8,0	15,455	44,37	44,765	40,52	0,51	80,84	23,804	45,95	10,039	51,06
18,0	15,525	44,62	44,832	39,93	0,51	77,86	23,883	43,83	10,094	51,04
28,0	15,623	44,73	44,927	39,48	0,58	74,88	24,003	41,57	10,177	50,87
Sett. 6,9	15,751	44,66	45,051	39,23	0,73	72,02	24,165	39,23	10,288	50,51
16,9	15,907	44,37	45,205	39.20	0,96	69,40	24,367	36,83	10,430	49,96
26,9	16,093	43,85	45,388	39.44	1,26	67,10	24,611	34,42	10,603	49,19
Ottobre 6,9	16,308	43,08	45,602	39,97	1,63	65,24	24,896	32,04	10.806	48,20
16,8	16,552	42,05	45,844	40,79	2,07	63,90	25,219	29,72	11,040	46,99
26,8	16,822	40,78	46,112	41,90	2,56	63,15	25,578	27,53	11,303	45,57
Nov. 5,8	17,114	39,29	46,403	43,30	3,09	63,03	25,967	25,52	11,591	43,96
15,8	17,423	37,61	46,710	44,94	3,64	63,57	26,379	23,75	11,899	42,20
25,7	17,741	35,78	47,027	46,79	4,19	64,76	26,807	22,27	12,219	40,35
Dic. 5,7	18,060	33,87	47,344	48,78	4,74	66,57	27,239	21,14	12,544	38,45
15,7	18,371	31,95	47,653	50,85	5,26	68,95	27,663	20,38	12,864	36,58
25,6	18,663	30,06	47,944	52,93	5,72	71,82	28,065	20,04	13,169	34,79
35,6	18,928	28,28	48,206	54,96	6,12	75,09	28,433	20,13	13,449	33,14
Posizione media	$9^h.34^m.13^s,868$ $+5°.0'.55'',94$		$9^h.35^m.43^s,213$ $-0°.46'.28'',53$		$9^h.43^m.1^s,234$ $-62°.8'.1'',68$		$9^h.43^m.22^s,334$ $+46°.23'.56'',62$		$9^h.52^m.8^s,416$ $+9°.19'.2'',64$	

Giorno del mese	20 Leonis Minoris gr. : 5,5		40 v^2 Hydrae gr. : 4,7		32 Ursae Majoris gr. : 5,7		22 Sextantis gr. : 5,4		q Carinae gr. : 3,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	9.56	32.18	10. 1	12.40	10.12	65.30	10.13	7.39	10.14	60.55
	s	"	s	"	s	"	s	"	s	"
Genn. 0,6	22,856	63,94	12,693	22,53	13,16	23,84	38,123	57,10	25,09	32,25
10,6	23,158	63,47	12,953	25,01	13,71	24,72	38,393	59,41	25,50	35,52
20,6	23,416	63,36	13,175	27,44	14,18	26,11	38,625	61,62	25,84	39,08
30,6	23,623	63,59	13,352	29,75	14,36	27,94	38,814	63,68	26,09	42,82
Febbr. 9,5	23,774	64,13	13,480	31,88	14,84	30,13	38,956	65,55	26,26	46,65
19,5	23,866	64,95	13,559	33,80	15,01	32,59	39,049	67,20	26,35	50,47
Marzo 1,5	23,901	65,99	13,590	35,48	15,07	35,21	39,094	68,60	26,35	54,17
11,5	23,883	67,17	13,577	36,89	15,02	37,87	39,096	69,74	26,28	57,69
21,4	23,817	68,42	13,525	38,03	14,88	40,46	39,059	70,63	26,14	60,95
31,4	23,711	69,68	13,442	38,91	14,64	42,87	38,989	71,27	25,94	63,89
Aprile 10,4	23,576	70,89	13,334	39,52	14,33	45,01	38,893	71,68	25,68	66,45
20,3	23,419	71,99	13,210	39,87	13,97	46,79	38,780	71,86	25,39	68,58
30,3	23,251	72,93	13,076	39,98	13,57	48,17	38,656	71,84	25,06	70,26
Maggio 10,3	23,081	73,68	12,940	39,85	13,15	49,08	38,527	71,63	24,72	71,45
20,3	22,916	74,21	12,807	39,50	12,73	49,51	38,399	71,25	24,37	72,13
30,2	22,762	74,52	12,681	38,94	12,32	49,45	38,278	70,71	24,02	72,29
Giugno 9,2	22,625	74,59	12,567	38,19	11,94	48,90	38,166	70,02	23,67	71,94
19,2	22,510	74,42	12,468	37,28	11,60	47,88	38,068	69,22	23,35	71,08
29.2	22,419	74,03	12,387	36,22	11,30	46,43	37,985	68,31	23,05	69,75
Luglio 9,1	22,355	73,41	12,325	35,04	11,06	44,58	37,921	67,33	22,78	67,99
19,1	22,319	72,58	12,286	33,79	10,87	42,36	37,876	66,31	22,56	65,84
29,1	22,312	71,56	12,270	32,51	10,75	39,84	37,854	65,28	22,38	63,37
Agosto 8,0	22,336	70,35	12,280	31,24	10,70	37,07	37,856	64,28	22.26	60,66
18,0	22,392	68,97	12,317	30,03	10,72	34,10	37,884	63,36	22,21	57.79
28,0	22,480	67,42	12,383	28,94	10,81	30,98	37,939	62,57	22,23	54,86
Sett. 7,0	22,602	65,74	12,480	28,03	10,98	27,79	38,025	61,96	22,32	51,99
16,9	22,758	63,93	12,609	27,36	11,21	24,57	38,142	61,56	22,48	49,27
26,9	22,949	62,00	12,772	26,98	11,52	21,40	38,292	61,43	22,72	46,83
Ottobre 6,9	23,175	59,99	12,968	26,92	11,89	18,33	38,476	61,61	23,04	44,76
16,9	23,436	57,94	13,197	27,22	12,34	15,44	38,694	62,11	23,42	43,14
26,8	23,729	55,88	13,457	27,91	12,85	12,77	38,943	62,95	23,87	42,07
Nov. 5,8	24,050	53,86	13,743	28,98	13,41	10,42	39,220	64,14	24,36	41,61
15,8	24,394	51,93	14,050	30,41	14,01	8,44	39,520	65,64	24,89	41,79
25,7	24,755	50,14	14,370	32,17	14,65	6,89	39,836	67,42	25,43	42,61
Dic. 5,7	25,122	48,56	14,695	34,21	15,31	5,84	40,159	69,44	25,98	44,06
15,7	25,485	47,25	15,015	36,47	15,96	5,31	40,480	71,62	26,51	46,11
25,7	25,933	46,24	15,319	38,86	16,58	5,33	40,789	73,90	27,00	48,68
35,6	26,154	45,56	15,598	41,32	17,17	5,91	41,074	76,20	27,45	51,69
Posizione media	$9^h.56^m.20^s,769$ $+32^\circ.19'.20'',97$		$10^h.1^m.10^s,797$ $-12^\circ.40'.17'',20$		$10^h.12^m.10^s,195$ $+65^\circ.30'.46'',97$		$10^h.13^m.36^s,294$ $-7^\circ.39'.50'',46$		$10^h.14^m.22^s,444$ $-60^\circ.55'.38'',65$	

Giorno del mese	59 (Gould) Antliae gr. : 5,6		41 γ^1 Leonis gr. : 2,3		48 Leonis gr. : 5,2		37 Leonis Minoris gr. : 4,8		34 Sextantis gr. : 6,6	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	10.14	28.35	10.15	20.15	10.30	7.21	10.34	32.23	10.38	3.59
	s	″	s	″	s	″	s	″	s	″
Genn. 0,6	26,635	13,01	32,442	51,55	36,295	64,55	11,814	32,23	28,237	73,87
10,6	26,917	15,94	32,734	50,42	36,580	62,80	12,142	31,50	28,525	71,97
20,6	27,158	18,94	32,988	49,57	36,831	61,25	12,432	31,17	28,779	70,25
30,6	27,351	21,93	33,197	49,02	37,041	59,95	12,677	31,23	28,994	68,76
Febbr. 9,5	27,493	24,83	33,357	48,79	37,205	58,92	12,869	31,65	29,164	67,51
19,5	27,582	27,59	33,465	48,85	37,321	58,16	13,005	32,40	29,286	66,53
Marzo 1,5	27,620	30,14	33,521	49,16	37,388	57,67	13,085	33,43	29,360	65,82
11,5	27,610	32,43	33,528	49,69	37,410	57,42	13,110	34,67	29,389	65,37
21,4	27,559	34,44	33,492	50,38	37,391	57,40	13,085	36,03	29,378	65,14
31,4	27,473	36,14	33,420	51,17	37,337	57,56	13,018	37,46	29,332	65,12
Aprile 10,4	27,359	37,50	33,319	52,02	37,255	57,87	12,915	38,88	29,258	65,28
20,3	27,224	38,53	33,197	52,87	37,153	58,29	12,785	40,23	29,163	65,57
30,3	27,076	39,20	33,063	53,69	37,038	58,80	12,637	41,44	29,053	65,98
Maggio 10,3	26,921	39,52	32,924	54,44	36,915	59,36	12,480	42,47	28,935	66,47
20,3	26,766	39,50	32,786	55,09	36,792	59,95	12,321	43,29	28,815	67,02
30,2	26,615	39,14	32,655	55,63	36,672	60,55	12,165	43,88	28,698	67,62
Giugno 9,2	26,473	38,45	32,537	56,04	36,561	61,15	12,019	44,21	28,587	68,23
19,2	26,344	37,46	32,434	56,30	36,462	61,71	11,887	44,29	28,486	68,85
29,2	26,231	36,20	32,349	56,42	36,376	62,23	11,774	44,10	28,398	69,46
Luglio 9,1	26,138	34,69	32,285	56,38	36,308	62,70	11,681	43,66	28,326	70,04
19,1	26,067	32,99	32,243	56,18	36,258	63,10	11,611	42,97	28,270	70,57
29,1	26,021	31,15	32,225	55,83	36,228	63,40	11,567	42,05	28,234	71,03
Agosto 8,0	26,003	29,22	32,233	55,31	36,220	63,60	11,550	40,90	28,219	71,39
18,0	26,016	27,29	32,268	54,63	36,237	63,66	11,562	39,53	28,228	71,63
28,0	26,063	25,42	32,331	53,77	36,281	63,55	11,605	37,96	28,263	71,72
Sett. 7,0	26,145	23,69	32,424	52,73	36,353	63,27	11,682	35,21	28,327	71,63
16,9	26,266	22,18	32,549	51,51	36,457	62,78	11,794	34,30	28,421	71,33
26,9	26,426	20,97	32,707	50,11	36,593	62,06	11,943	32,24	28,549	70,80
Ottobre 6,9	26,625	20,12	32,899	48,55	36,762	61,11	12,130	30,06	28,711	70,02
16,9	26,863	19,69	33,125	46,84	36,966	59,92	12,356	27,81	28,908	68,98
26,8	27,136	19,72	33,383	45,00	37,204	58,50	12,619	25,52	29,139	67,68
Nov. 5,8	27,440	20,24	33,671	43,08	37,472	56,87	12,916	23,24	29,402	66,15
15,8	27,769	21,26	33,984	41,11	37,766	55,06	13,244	21,05	29,692	64,40
25,7	28,113	22,74	34,315	39,16	38,080	53,13	13,596	18,96	30,002	62,49
Dic. 5,7	28,462	24,65	34,655	37,28	38,404	51,12	13,962	17,09	30,325	60,47
15,7	28,807	26,94	34,995	35,54	38,731	49,10	14,331	15,48	30,651	58,40
25,7	29,136	29,53	35,324	33,98	39,049	47,14	14,693	14,17	30,969	56,36
35,6	29,436	32,34	35,632	32,68	39,349	45,31	15,036	13,22	31,271	54,39
Posizione media	$10^h.14^m.24^s,706$ $-28°.35'.12'',28$		$10^h.15^m.30^s,579$ $+20°.15'.6'',15$		$10^h.30^m.34^s,555$ $+7°.22'.15'',64$		$10^h.34^m.9^s,995$ $+32°.23'.50'',31$		$10^h.38^m.26^s,541$ $+4°.0'.23'',95$	

Giorno del mese	37 Sextantis gr. : 6,3		η Carinae gr. : 1,7,4		45 ω Ursae Majoris gr. : 4,8		u Carinae gr. : 3,8		54 Leonis gr. : 4,3	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	10.41	6.47	10.41	59.15	10.49	43.36	10.50	58.25	10.51	25.10
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	54,386	50,47	57,303	22,77	21,166	56,11	14,202	14,66	15,495	38,98
10,6	54,678	48,66	57,738	25,81	21,543	55,72	14,640	17,62	15,816	37,83
20,6	54,937	47,06	58,110	29,18	21,882	55,81	15,019	20,92	16,103	37,05
30,6	55,156	45,70	58,411	32,77	22,172	56,35	15,331	24,46	16,349	36,63
Febbr. 9,6	55,330	44,61	58,636	36,50	22,404	57,31	15,569	28,14	16,547	36,57
19,5	55,456	43,79	58,782	40,25	22,574	58,64	15,731	31,86	16,694	36,85
Marzo 1,5	55,535	43,25	58,849	43,95	22,679	60,26	15,816	35,54	16,789	37,43
11,5	55,569	42,97	58,842	47,51	22,721	62,09	15,828	39,09	16,834	38,26
21,4	55,561	42,91	58,767	50,85	22,704	64,03	15,773	42,43	16,831	39,27
31,4	55,518	43,04	58,630	53,92	22,634	65,99	15,658	45,51	16,788	40,40
Aprile 10,4	55,446	43,33	58,442	56,64	22,520	67,90	15,491	48,27	16,711	41,59
20,4	55,352	43,75	58,210	58,98	22,371	69,66	15,280	50,64	16,607	42,78
30,3	55,243	44,26	57,943	60,89	22,197	71,20	15,033	52,60	16,485	43,91
Maggio 10,3	55,126	44,83	57,652	62,33	22,007	72,49	14,760	54,11	16,351	44,93
20,3	55,007	45,43	57,344	63,30	21,810	73,47	14,469	55,14	16,213	45,82
30,3	54,889	46,04	57,027	63,76	21,614	74,11	14,167	55,68	16,075	46,53
Giugno 9,2	54,777	46,65	56,710	63,71	21,425	74,40	13,864	55,71	15,943	47,06
19,2	54,675	47,23	56,402	63,17	21,250	74,34	13,566	55,25	15,821	47,38
29,2	54,586	47,77	56,110	62,14	21,093	73,92	13,281	54,31	15,712	47,50
Luglio 9,1	54,511	48,26	55,842	60,67	20,959	73,15	13,018	52,92	15,620	47,40
19,1	54,454	48,68	55,607	58,78	20,850	72,06	12,784	51,12	15,546	47,08
29,1	54,416	49,01	55,413	56,54	20,769	70,67	12,587	48,95	15,493	46,56
Agosto 8,1	54,399	49,22	55,266	54,02	20,720	68,99	12,435	46,49	15,463	45,81
18,0	54,405	49,30	55,176	51,29	20,706	67,05	12,337	43,82	15,459	44,86
28,0	54,438	49,22	55,148	48,46	20,727	64,90	12,298	41,03	15,483	43,71
Sett. 7,0	54,499	48,96	55,188	45,63	20,787	62,55	12,324	38,22	15,537	42,35
17,0	54,590	48,49	55,300	42,89	20,889	60,04	12,421	35,50	15,625	40,79
26,9	54,715	47,80	55,486	40,37	21,033	57,42	12,590	32,97	15,747	39,06
Ottobre 6,9	54,875	46,86	55,746	38,16	21,222	54,72	12,833	30,74	15,907	37,16
16,9	55,070	45,68	56,077	36,37	21,456	52,01	13,146	28,91	16,105	35,12
26,8	55,299	44,27	56,473	35,07	21,735	49,33	13,524	27,57	16,341	32,98
Nov. 5,8	55,561	42,64	56,924	34,34	22,056	46,74	13,959	26,78	16,612	30,77
15,8	55,850	40,83	57,418	34,23	22,412	44,32	14,439	26,59	16,914	28,56
25,8	56,161	38,88	57,940	34,75	22,798	42,13	14,949	27,03	17,242	26,39
Dic. 5,7	56,485	36,84	58,473	35,90	23,205	40,24	15,473	28,10	17,586	24,35
15,7	56,813	34,79	59,000	37,64	23,620	38,71	15,995	29,76	17,937	22,48
25,7	57,134	32,79	59,503	39,93	24,030	37,60	16,496	31,96	18,284	20,85
35,7	57,438	30,91	59,967	42,69	24,423	36,94	16,961	34,65	18,617	19,53
Posizione media	$10^h.41^m.52^s,708$ $+6°.48'.1'',41$		$10^h.41^m.54^s,900$ $-59°.15'.30'',06$		$10^h.49^m.19^s,365$ $+43°.37'.17'',12$		$10^h.50^m.11^s,886$ $-58°.25'.22'',11$		$10^h.51^m.13^s,840$ $+25°.10'.55'',43$	

Giorno del mese	7 α Crateris gr.: 4,2		58 d Leonis gr.: 5.1		65 p⁴ Leonis gr.: 5,7		74 φ Leonis gr.: 4,6		53 ζ Ursae Majoris gr.: 3,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	10.55	17.52	10.56	4. 2	11. 2	2.23	11.12	3.12	11.13	31.58
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	51,252	5,08	24,274	59,30	47,929	34,09	34,123	38,86	53,486	47,42
10,6	51,552	7,61	24,571	57,37	48,229	32,10	34,426	41,02	53,831	46,36
20,6	51,819	10,17	24,839	55,62	48,499	30,27	34,701	43,07	54,147	45,72
30,6	52,046	12,68	25,068	54,09	48,732	28,65	34,941	44,96	54,424	45,51
Febbr. 9,6	52,229	15,07	25,254	52,82	48,922	27,27	35,139	46,63	54,653	45,71
19,5	52,365	17,30	25,394	51,82	49,066	26,16	35,292	48,07	54,830	46,30
Marzo 1,5	52,453	19,31	25,487	51,09	49,164	25,33	35,399	49,25	54,953	47,22
11,5	52,495	21,09	25,535	50,63	49,218	24,76	35,463	50,17	55,023	48,41
21,5	52,497	22,61	25,541	50,40	49,231	24,44	35,486	50,83	55,042	49,80
31,4	52,463	23,87	25,512	50,39	49,207	24,33	35,472	51,26	55,016	51,31
Aprile 10,4	52,399	24,85	25,454	50,56	49,154	24,41	35,428	51,48	54,951	52,87
20,4	52,311	25,57	25,372	50,88	49,076	24,66	35,360	52,50	54,854	54,40
30,3	52,206	26,02	25,273	51,31	48,982	25,03	35,274	51,36	54,733	55,84
Maggio 10,3	52,090	26,21	25,164	51,82	48,876	25,50	35,174	51,07	54,595	57,13
20,3	51,967	26,15	25,050	52,39	48,764	26,04	35,067	50,66	54,448	58,22
30,3	51,843	25,85	24,935	53,00	48,650	26,64	34,957	50,14	54,297	59,08
Giugno 9,2	51,721	25,33	24,825	53,13	48,540	27,27	34,848	49,54	54,148	59,69
19,2	51,605	24,60	24,721	54,26	48,435	27,91	34,743	48,87	54,005	60,03
29,2	51,498	23,67	24,627	54,87	48,339	28,55	34,644	48,16	53.873	60,09
Luglio 9,2	51,403	22,59	24,546	55,45	48,254	29,17	34,555	47,41	53,755	59,87
19,1	51,322	21,37	24.480	55,97	48,183	29,74	34,478	46,66	53,653	59,37
29,1	51,260	20,07	24,431	56,42	48,129	30,25	34,416	45,94	53,572	58,59
Agosto 8,1	51,218	18,72	24,401	56,76	48,093	30,67	34,372	45,26	53,513	57,55
18,0	51,200	17,38	24,394	56,99	48,079	30,98	34,348	44,67	53,479	56,26
28,0	51,210	16,09	24,412	57,06	48,090	31,14	34,349	44,20	53,474	54,73
Sett. 7,0	51,251	14,93	24,458	56,95	48,129	31,13	34,378	43,89	53,501	52,97
17,0	51,326	13,96	24,535	56,64	48,198	30,91	34,437	43,77	53,563	51,01
26,9	51,438	13,23	24,645	56,09	48,301	30,46	34,531	43,89	53,662	48,86
Ottobre 6,9	51,588	12,80	24,791	55,30	48,440	29,76	34,661	44,27	53,802	46,56
16,9	51,778	12,71	24,973	54,25	48,616	28,79	34,830	44,93	53,983	44,15
26,9	52,006	13,00	25,191	52,95	48,829	27,56	35,036	45,89	54,206	41,66
Nov. 5,8	52,269	13,69	25,443	51,40	49,076	26,07	35,278	47,15	54,469	39,14
15,8	52,563	14,78	25,725	49,65	49,354	24,36	35,553	48,68	54,769	36,67
25,8	52,880	16,25	26,031	47,72	49,656	22,46	35,853	50,46	55,099	34,30
Dic. 5,7	53,211	18,05	26,352	45,68	49,975	20,42	36,171	52,42	55,452	32,10
15,7	53,548	20,15	26,679	43,58	50,302	18,31	36,499	54,52	55,818	30,14
25,7	53,878	22,46	27,003	41,50	50,625	16,20	36,825	56,70	56,184	28,50
35,7	54,190	24,92	27,312	39,51	50,935	14,15	37,138	58,88	56,540	27,22
Posizione media	$10^h.55^m.49^s,586$ $-17°.52'.2'',07$		$10^h.56^m.22^s,675$ $+4°.3'.9.'',36$		$11^h.2^m.46^s,364$ $+2°.23'.43'',59$		$11^h.12^m.32^s,599$ $-3°.12'.31'',29$		$11^h.13^m.51^s,973$ $+31°.59'.5'',97$	

GIORNO DEL MESE	83 Leonis gr. : 6,2		84 τ Leonis gr. : 5,2		87 e Leonis gr. : 5,1		21 θ Crateris gr. : 4,8		61 Ursae Majoris gr. : 5,5	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	11.22	3.26	11.23	3.17	11.26	2.33	11.32	9.21	11.36	34.38
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	40,793	66,81	47,777	59,01	11,996	30,98	35,761	20,51	48,666	73,74
10,7	41,100	64,83	48,086	57,01	12,306	33,12	36,075	22,78	49,028	72,60
20,6	41,382	63,02	48,370	55,18	12,589	35,15	36,363	25,02	49,365	71,91
30,6	41,630	61,42	48,620	53,58	12,839	37,01	36,618	27,15	49,666	71,68
Febbr. 9,6	41,837	60,08	48,829	52,23	13,049	38,66	36,834	29,12	49,922	71,90
19,6	42,000	59,02	48,995	51,15	13,215	40,07	37,006	30,89	50,128	72,55
Marzo 1,5	42,118	58,24	49,115	50,35	13,337	41,21	37,133	32,43	50,281	73,56
11,5	42,191	57,74	49,191	49,83	13,415	42,09	37,217	33,73	50,379	74,88
21,5	42,223	57,49	49,225	49,57	13,452	42,72	37,261	34,77	50,425	76,43
31,4	42,218	57,46	49,223	49,52	13,452	43,11	37,267	35,57	50,423	78,13
Aprile 10,4	42,181	57,62	49,189	49,67	13,421	43,29	37,242	36,13	50,378	79,90
20,4	42,119	57,94	49,129	49,98	13,365	43,28	37,191	36,47	50,299	81,65
30,4	42,038	58,39	49,050	50,42	13,289	43,10	37,119	36,61	50,191	83,31
Maggio 10,3	41,942	58,93	48,956	50,95	13,198	42,78	37,032	36,56	50,061	84,82
20,3	41,837	59,53	48,853	51,54	13,097	42,35	36,933	36,34	49,917	86,12
30,3	41,728	60,17	48,746	52,18	12,991	41,82	36,828	35,97	49,765	87,18
Giugno 9,3	41,618	60,83	48,638	52,83	12,884	41,22	36,720	35,46	49,610	87,96
19,2	41,511	61,48	48,532	53,48	12,779	40,56	36,613	34,82	49,457	88,45
29,2	41,410	62,12	48,432	54,12	12,678	39,86	36,508	34,09	49,311	88,62
Luglio 9,2	41,317	62,73	48,340	54,72	12,585	39,14	36,410	33,27	49,175	88,47
19,1	41,235	63,27	48,258	55,26	12,502	38,43	36,320	32,40	49,053	88,02
29,1	41,167	63,74	48,191	55,73	12,432	37,74	36,243	31,49	48,948	87,25
Agosto 8,1	41,116	64,11	48,140	56,10	12,378	37,12	36,181	30,59	48,863	86,18
18,1	41,084	64,35	48,109	56,35	12,343	36,58	36,139	29,73	48,802	84,83
28,0	41,075	64,45	48,100	56,45	12,332	36,16	36,119	28,96	48,769	83,21
Sett. 7,0	41,094	64,37	48,119	56,38	12,348	35,89	36,127	28,31	48,767	81,34
17,0	41,143	64,09	48,168	56,10	12,394	35,82	36,167	27,83	48,801	79,24
27,0	41,226	63,58	48,251	55,59	12,474	35,97	36,241	27,57	48,873	76,94
Ottobre 6,9	41,345	62,82	48,370	54,84	12,592	36,38	36,353	27,58	48,987	74,47
16,9	41,502	61,80	48,528	53,83	12,748	37,07	36,506	27,88	49,146	71,88
26,9	41,698	60,53	48,724	52,56	12,943	38,05	36,699	28,49	49,349	69,21
Nov. 5,8	41,931	59,01	48,958	51,04	13,176	39,31	36,930	29,44	49,596	66,51
15,8	42,197	57,27	49,225	49,30	13,443	40,84	37,197	30,71	49,885	63,86
25,8	42,491	55,35	49,520	47,38	13,738	42,61	37,493	32,27	50,209	61,31
Dic. 5,8	42,806	53,30	49,835	45,33	14,054	44,58	37,810	34,09	50,560	58,95
15,7	43,132	51,19	50,162	43,21	14,380	46,68	38,140	36,12	50,929	56,86
25,7	43,458	49,08	50,490	41,09	14,708	48,84	38,471	30,30	51,304	55,09
35,7	43,774	47,04	50,808	39,04	15,026	51,00	38,793	40,55	51,675	53,70
Posizione media	11h.22m.39s,341 +3°.27′.16″,53		11h.23m.46s,332 +3°.18′.8″,66		11h.26m.10s,549 −2°.33′.23″,33		11h.32m.34s,325 −9°.21′.15″,27		11h.36m.47s,334 +34°.39′.33″,13	

Giorno del mese	27 ζ Crateris gr. : 4,9		3 ν Virginis gr. : 4,2		93 Leonis gr. : 4,5		1830 Groombridge gr. : 6,5		β Hidrae gr. : 4,4	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	11.40	17.54	11.41	6.58	11.43	20.39	11.48	38.17	11.48	33.27
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	40,760	3,59	43,126	40,17	49,815	52,93	20,135	38,98	50,308	23,80
10,7	41,084	5,98	43,444	38,23	50,147	51,33	20,523	37,71	50,666	26,26
20,7	41,383	9,42	43,738	36,49	50,456	50,08	20,887	36,92	50,996	28,92
30,6	41,648	10,84	44,001	35,01	50,734	49,19	21,216	36,62	51,290	31,72
Febbr. 9,6	41,874	13,17	44,227	33,81	50,972	48,68	21,501	36,80	51,541	34,56
19,6	42,057	15,35	44,410	32,91	51,165	48,54	21,735	37,43	51,746	37,38
Marzo 1,6	42,195	17,36	44,548	32,32	51,312	48,76	21,915	38,45	51,902	40,12
11,5	42,288	19,15	44,643	32,01	51,411	49,28	22,039	39,79	52,010	42,71
21,5	42,340	20,70	44,696	31,97	51,465	50,07	22,108	41,38	52,072	45,11
31,5	42,354	22,01	44,710	32,15	51,478	51,06	22,126	43,13	52,093	47,28
Aprile 10,4	42,336	23,07	44,692	32,52	51,445	52,18	22,098	44,94	52,077	49,20
20,4	42,291	23,87	44,646	33,04	51,401	53,38	21,932	46,74	52,029	50,84
30,4	42,223	24,43	44,579	33,67	51,323	54,60	21,934	48,43	51,954	52,18
Maggio 10,4	42,137	24,75	44,494	34,36	51,226	55,78	21,811	49,95	51,856	53,20
20,3	42,039	24,84	44,398	35,08	51,116	56,87	21,671	51,25	51,742	53,90
30,3	41,932	24,71	44,295	35,81	50,998	57,85	21,520	52,28	51,615	54,27
Giugno 9,3	41,820	24,36	44,188	36,52	50,877	58,68	21,363	53,00	51,478	54,31
19,3	41,706	23,82	44,080	37,19	50,755	59,33	21,206	53,39	51,336	54,03
29,2	41,593	23,10	43,976	37,81	50,637	59,79	21,054	53,44	51,193	53,43
Luglio 9,2	41,484	22,21	43,877	38,34	50,526	60,05	20,910	53,14	51,053	52,52
19,2	41,384	21,19	43,787	38,78	50,425	60,10	20,779	52,49	50,920	51,35
29,2	41,295	20,06	43,708	39,12	50,336	59,93	20,665	51,50	50,798	49,94
Agosto 8,1	41,221	18,87	43,644	39,32	50,263	59,53	20,570	50,18	50,693	48,33
18,1	41,166	17,66	43,598	39,38	50,210	58,91	20,500	48,55	50,610	46,58
28,1	41,135	16,47	43,573	39,27	50,180	58,06	20,458	46,63	50,554	44,76
Sett. 7,0	41,132	15,37	43,574	38,97	50,176	56,97	20,448	44,45	50,532	42,93
17,0	41,162	14,41	43,605	38,46	50,203	55,66	20,474	42,03	50,549	41,17
27,0	41,229	13,65	43,670	37,73	50,266	54,12	20,541	39,40	50,610	39,56
Ottobre 7,0	41,337	13,15	43,771	36,76	50,366	52,37	20,651	36,60	50,717	38,19
16,9	41,487	12,95	43,912	35,54	50,507	50,43	20,808	33,68	50,874	37,12
26,9	41,679	13,09	44,092	34,08	50,689	48,32	21,013	30,68	51,081	36,41
Nov. 5,9	41,913	13,60	44,312	32,40	50,912	46,07	21,265	27,68	51,334	36,13
15,8	42,184	14,49	44,568	30,53	51,173	43,75	21,561	24,74	51,630	36,30
25,8	42,486	15,75	44,855	28,50	51,467	41,60	21,895	21,93	51,962	36,94
Dic. 5,8	42,811	17,35	45,166	26,38	51,787	39,09	22,261	19,33	52,319	38,05
15,8	43,149	19,24	45,492	24,22	52,123	36,90	22,648	17,02	52,691	39,60
25,7	43,490	21,37	45,822	22,10	52,466	34,89	23,044	15,07	53,067	41,54
35,7	43,822	23,67	46,146	20,08	52,805	33,14	23,438	13,53	53,432	43,80
Posizione media	11^h.40^m.39^s,326 −17°.54′.1″,40		11^h.41^m 41^s,795 +6°.58′.59″,91		11^h.43^m.48^s,527 +20°.40′.8″,18		11^h.48^m.18^s,904 +38°.17′.59″,33		11^h.48^m.48^s,810 −33°.27′.26″,80	

Giorno del mese	95 *o* Leonis gr. : 5,5		8 *π* Virginis gr. : 4,6		*η* Crucis gr. : 4,2		10 Virginis gr. : 6,1		1 Canum Venaticorum gr. : 6,3	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	11.51	16. 5	11.56	7. 3	12. 2	64. 9	12. 5	2.20	12.10	53.52
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	31,981	37,05	44,588	46,75	40,45	32,21	33,469	60,57	43,810	43,04
10,7	32,309	35,30	44,910	44,79	41,05	34,34	33,792	58,51	44,284	42,15
20,7	32,616	33,85	45,212	43,03	41,61	36,88	34,096	56,61	44,736	41,85
30,6	32,893	32,73	45,485	41,53	42,10	39,84	34,372	54,91	45,152	42,13
Febbr. 9,6	33,132	31,97	45,722	40,31	42,53	43,10	34,614	53,46	45,519	42,97
19,6	33,329	31,56	45,918	39,40	42,88	46,57	34,816	52,29	45,826	44,33
Marzo 1,6	33,481	31,49	46,071	38,80	43,15	50,16	34,976	51,41	46,065	46,14
11,5	33,587	31,74	46,180	38,49	43,34	53,78	35,094	50,81	46,234	48,30
21,5	33,649	32,25	46,248	38,46	43,44	57,36	35,171	50,48	46,331	50,72
31,5	32,672	32,99	46,278	38,66	43,48	60,82	35,211	50,40	46,358	53,29
Aprile 10,4	33,659	33,89	46,274	39,06	43,43	64,08	35,217	50,53	46,321	55,90
20,4	33,617	34,89	46,242	39,61	43,33	67,09	35,195	50,84	46,227	58,44
30,4	33,550	35,95	46,186	40,28	43,16	69,79	35,148	51,28	46,083	60,83
Maggio 10,4	33,464	37,01	46,112	41,01	42,94	72,13	35,083	51,83	45,899	62,97
20,3	33,365	38,03	46,024	41,78	42,68	74,05	35,003	52,45	45,683	64,79
30,3	33,257	38,97	45,926	42,55	42,38	75,53	34,911	53,12	45,445	66,24
Giugno 9,3	33,144	39,80	45,822	43,30	42,05	76,54	34,812	53,81	45,195	67,27
19,3	33,029	40,50	45,716	44,01	41,70	77,05	34,710	54,50	44,934	67,87
29,2	32,916	41,05	45,610	44,65	41,34	77,06	34,605	55,17	44,676	68,01
Luglio 9,2	32,808	41,44	45,507	45,21	40,97	76,56	34,502	55,80	44,426	67,69
19,2	32,708	41,65	45,411	45,67	40,62	75,57	34,404	56,37	44,190	66,92
29,1	32,619	41,68	45,324	46,02	40,29	74,12	34,313	56,87	43,973	65,71
Agosto 8,1	32,544	41,50	45,249	46,23	39,99	72,25	34,233	57,27	43,781	64,09
18,1	32,487	41,12	45,190	46,30	39,73	70,03	34,168	57,55	43,620	62,09
28,1	32,452	40,53	45,152	46,19	39,54	69,52	34,123	57,69	43,495	59,74
Sett. 7,0	32,442	39,71	45,139	45,89	39,41	64,80	34,101	57,66	43,413	57,09
17,0	32,462	38,67	45,155	45,39	39,36	61,99	34,108	57,43	43,377	54,18
27,0	32,516	37,40	45,204	44,66	39,40	59,19	34,149	56,98	43,394	51,06
Ottobre 7,0	32,608	35,90	45,290	43,69	39,54	56,50	34,227	56,29	43,468	47,79
16,9	32,740	34,19	45,416	42,47	39,77	54,03	34,345	55,35	43,602	44,43
26,9	32,913	32,28	45,583	41,01	40,09	51,90	34,504	54,14	43,798	41,05
Nov. 5,9	33,127	30,20	45,790	39,33	40,50	50,20	34,705	52,68	44,056	37,73
15,8	33,379	28,00	46,036	37,45	40,99	49,01	34,945	50,99	44,374	34,56
25,8	33,665	25,73	46,315	35,41	41,54	48,39	35,219	49,10	44,746	31,62
Dic. 5,8	33,977	23,46	46,620	33,28	42,14	48,37	35,521	47,07	45,164	29,00
15,8	34,307	21,24	46,943	31,11	42,76	48,97	35,841	44,94	45,615	26,77
25,7	34,644	19,16	47,273	28,97	43,39	50,17	36,169	42,79	46,087	25,01
35,7	34,977	17,28	47,600	26,93	44,00	51,94	36,496	40,68	46,564	23,79
Posizione media	$11^h.51^m.30^s,735$ $+16°.5'.50'',77$		$11^h.56^m.43^s,349$ $+7°.3'.57'',36$		$12^h.2^m.38^s,494$ $-64°.9'.43'',11$		$12^h.5^m.32^s,266$ $+2°.21'.9'',22$		$12^h.10^m.42^s,859$ $+53°.53'.6'',81$	

Giorno del mese	16 *c* Virginis gr. : 5,1		12 Comae gr. : 4,8		α' Crucis gr. : 1,6		14 Comae gr. : 5,2		15 Comae γ (Comae) gr. : 1,6	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	12.16	3.45	12.18	26.17	12.22	62.38	12.22	27.42	12.22	28.42
	s	″	s	″	s	″	s	″	s	″
Genn. 0,7	15,254	38,97	27,176	27,07	6,63	50,29	22,111	43,13	55,161	49,22
10,7	15,579	36,93	27,525	25,42	7,22	52,18	22,464	41,49	55,515	4759
20,7	15,887	35,05	27,858	24,16	7,78	54,54	22,801	40,25	55,855	46,37
30,7	16,169	33,39	28,165	23,33	8,28	57,29	23,113	39,44	56,169	45,60
Febbr. 9,6	16,418	32,00	28,437	22,93	8,73	60,36	23,390	39,18	56,449	45,28
19,6	16,628	30,89	28,668	22,96	9,10	63,67	23,626	39,17	56,687	45,41
Marzo 1,6	16,798	30,09	28,853	23,40	9,41	67,12	23,817	39,67	56,879	45,96
11,6	16,926	29,58	28,991	24,19	9,63	70,64	23,961	40,54	57,024	46,88
21,5	17,013	29,34	29,084	25,29	9,78	74,14	24,058	41,71	57,121	48,10
31,5	17,063	29,35	29,132	26,62	9,87	77,55	24,110	43,12	57,174	49,56
Aprile 10,5	17,079	29,58	29,140	28,11	9,87	80,80	24,121	44,69	57,186	51,18
20,4	17,065	29,98	29,114	29,68	9,82	83,82	24,097	46,34	57,161	52,88
30,4	17,026	30,52	29,058	31,27	9,71	86,57	24,043	48,01	57,105	54,59
Maggio 10,4	16,968	31,15	28,977	32,81	9,54	88,98	23,963	49,61	57,023	56,23
20,4	16,893	31,85	28,878	34,24	9,32	91,02	23,863	51,10	56,921	57,74
30,3	16,805	32,58	28,764	35,51	9,07	92,63	23,748	52,42	56,804	59,08
Giugno 9,3	16,709	33,31	28,640	36,58	8,78	93,80	23,622	53,53	56,676	60,20
19,3	16,606	34,03	28,511	37,43	8,47	94,49	23,489	54,40	56,541	61,08
29,2	16,501	34,71	28,379	38,03	8,14	94,69	23,354	55,02	56,403	61,68
Luglio 9,2	16,395	35,34	28,248	38,36	7,80	94,39	23,220	55,35	56,266	62,00
19,2	16,292	35,90	28,122	38,42	7,46	93,61	23,089	55,39	56,133	62,02
29,2	16,195	36,36	28,004	38,19	7,14	92,36	22,967	55,14	56,008	61,74
Agosto 8,1	16,108	36,71	27,899	37,69	6,84	90,69	22,856	54,60	55,895	61,17
18,1	16,035	36,93	27,810	36,90	6,58	88,65	22,761	53,77	55,798	60,29
28,1	15,979	37,00	27,741	35,84	6,36	86,29	22,687	52,66	55,722	59,12
Sett. 7,1	15.947	36,90	27,698	34,51	6,21	83,71	22,638	51,26	55,672	57,68
17,0	15,944	36,59	27,685	32,92	6,13	80,99	22,619	49,60	55,652	55,97
27,0	15,973	36,06	27,706	31,09	6,13	78,23	22,636	47,69	55,667	54,00
Ottobre 7,0	16,039	35,30	27,768	29,03	6,23	75.56	22,693	45,56	55,723	51,81
16,9	16,145	34,28	27,872	26,77	6,41	73,07	22,792	43,23	55,822	49,43
26,9	16,294	33,01	28,021	24,34	6,69	70,86	22,938	40,73	55,967	46,89
Nov. 5.9	16,485	31,49	28,216	21,80	7,05	69,05	23,129	38,12	56,159	44,24
15,9	16,716	29,75	28,454	19,20	7,49	67,72	23,365	35,42	56,395	41,54
25,8	16,983	27,82	28,731	16,59	8,00	66,93	23,642	32,81	56,672	38,86
Dic. 5,8	17,279	25,76	29,041	14,06	8,56	66,71	23,952	30,24	56,983	36,28
15,8	17,595	23,62	29,376	11,69	9,15	67,09	24,287	27,84	57,320	33,86
25,8	17,922	21,46	29,724	9,54	9,75	68,07	24,638	25,68	57,672	31,70
35,7	18,250	19,37	30,075	7,69	10,35	69,61	24,992	23,83	58,029	29,81
Posizione media	12ʰ.16ᵐ.14ˢ,121 +3°.45′.48″,15		12ʰ.18ᵐ.26ˢ,155 +26.°17′.43″,76		12ʰ.22ᵐ.4ˢ,903 −62°.39′.1″,40		12ʰ.22ᵐ.21ˢ,127 +27°.43′.0″,20		12ʰ.22ᵐ.54ˢ,186 +28°.43′.6″,58	

Giorno del mese	23 Comae gr. : 4,8		9 Canum Venaticorum gr. : 6,8		30 ρ Virginis gr. : 5,0		35 Virginis gr. : 6,7		31 Comae gr : 5,1	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	12.30	23.3	12.34	41.18	12.37	10.40	12.43	4. 0	12.47	27.58
	s	"	s	"	s	"	s	"	s	"
Genn. 0,7	49,916	74,21	53,392	50,97	48,084	42,91	44,882	44,07	46,073	35,24
10,7	50,260	72,43	53,788	49,52	48,415	40,92	45,211	42,01	46,427	33,44
20,7	50,591	71,01	54,171	48,58	48,734	39,16	45,528	40,12	46,771	32,04
30,7	50,898	69,99	54,529	48,18	49,031	37,69	45,824	38,45	47,095	31,09
Febbr. 9,6	51,173	69,39	54,852	48,31	49,297	36,55	46,091	37,04	47,389	30,60
19,6	51,409	69,21	55,130	48,96	49,528	35,75	46,324	35,92	47,646	30,57
Marzo 1,6	51,603	69,44	55,357	50,08	49,719	35,30	46,518	35,12	47,860	30,99
11,6	51,752	70,03	55,530	51,61	49,869	35,18	46,672	34,62	48,030	31,81
21,5	51,856	70,94	55,649	53,46	49,979	35,36	46,788	34,40	48,154	32,97
31,5	51,918	72,10	55,714	55,54	50,051	35,81	46,866	34,45	48,234	34,40
Aprile 10,5	51,942	73,45	55,730	57,76	50,087	36,47	46,910	34,73	48,274	36,02
20,4	51,931	74,91	55,701	60,02	50,091	37,29	46,923	35,18	48,276	37,76
30,4	51,890	76,41	55,632	62,24	50,068	38,22	46,910	35,78	48,245	39,54
Maggio 10,4	51,824	77,89	55,530	64,32	50,022	39,22	46,873	36,48	48,186	41,28
20,4	51,739	79,30	55,401	66,20	49,957	40,23	46,817	37,25	48,103	42,93
30,3	51,637	80,58	55,251	67,81	49,876	41,22	46,744	38,04	48,002	44,42
Giugno 9,3	51,524	81,69	55,085	69,11	49,783	42,15	46,659	38,84	47,885	45,71
19,3	51,403	82,61	54,909	70,07	49,681	43,00	46,563	39,61	47,757	46,76
29,3	51,277	83,31	54,728	70,65	49,573	43,74	46,460	40,34	47,622	47,55
Luglio 9,2	51,149	83,76	54,547	70,85	49,462	44,35	46,352	41,01	47,483	48,05
19,2	51,024	83,97	54,369	70,65	49,350	44,82	46,242	41,59	47,343	48,25
29,2	50,905	83,91	54,200	70,07	49,242	45,13	46,134	42,07	47,206	48,15
Agosto 8,1	50,796	83,58	54,045	69,10	49,140	45,27	46,032	42,44	47,077	47,74
18,1	50,701	82,99	53,908	67,76	49,050	45,22	45,941	42,66	46,961	47,02
28,1	50,624	82,13	53,795	66,08	48,977	44,97	45,864	42,73	46,863	45,99
Sett. 7,1	50,570	81,00	53,711	64,07	48,924	44,50	45,808	42,63	46,787	44,67
17,0	50,545	79,61	53,662	61,76	48,898	43,81	45,778	42,33	46,740	43,06
27,0	50,554	77,97	53,653	59,20	48,905	42,89	45,780	41,80	46,727	41,18
Ottobre 7,0	50,601	76,09	53,690	56,42	48,948	41,72	45,818	41,04	46,753	39,05
17,0	50,691	73,99	53,775	53,47	49,032	40,31	45,897	40,03	46,822	36,71
26,9	50,826	71,70	53,913	50,40	49,159	38,67	46,020	38,77	46,938	34,18
Nov. 5,9	51,006	69,27	54,105	47,28	49,331	36,81	46,187	37,27	47,103	31,52
15,9	51,230	66,75	54,349	44,19	49,545	34,77	46,397	35,54	47,314	28,78
25,8	51,494	64,19	54,640	41,20	49,798	32,60	46,646	33,63	47,569	26,03
Dic. 5,8	51,792	61,67	54,972	38,41	50,084	30,34	46,928	31,57	47,862	23,35
15,8	52,116	59,26	55,337	35,89	50,395	28,07	47,236	29,43	48,185	20,81
25,8	52,456	57,03	55,724	33,72	50,721	25,85	47,559	27,27	48,529	18,50
35,7	52,801	55,07	56,119	31,99	51,052	23,77	47,887	25,16	48,881	16,49
Posizione media	$12^h.30^m.48^s,970$ $+23°.4'.29'',70$		$12^h34^m.52^s,604$ $+41°.19'.11'',63$		$12^h.37^m.47^s,118$ $+10°.40'.54'',13$		$12^h.43^m.43^s,917$ $+4°.0'.52'',84$		$12^h.47^m.45^s,285$ $+27°.58'.51'',91$	

Giorno del mese	40 ψ Virginis gr. : 4,9		48 Virginis gr. : 6,5		14 Canum Venaticorum gr. : 5,1		19 Canum Venaticorum gr. : 5,7		60 σ Virginis gr. : 5,6	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	12.50	9. 6	12.59	3.13	13. 1	36.13	13.11	41.16	13.13	5.53
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	9,315	1,50	44,775	45,82	57,954	36,10	53,976	36,90	31,587	37,59
10,7	9,648	3,59	45,106	47,90	58,329	34,32	54,367	35,12	31,916	35,52
20,7	9,970	5,67	45,427	49,89	58,698	33,02	54,755	33,84	32,239	33,63
30,7	10,271	7,66	45,729	51,74	59,048	32,23	55,128	33,11	32,546	31,98
Febbr. 9,6	10,544	9,52	46,005	53,40	59,370	31,96	55,473	32,94	32,829	30,61
19,6	10,783	11,20	46,249	54,83	59,655	32,21	55,781	33,33	33,083	29,55
Marzo 1,6	10,984	12,66	46,457	56,00	59,897	32,96	56,045	34,24	33,302	28,82
11,6	11,147	13,89	46,627	56,90	60,092	34,14	56,259	35,61	33,483	28,41
21,5	11,271	14,87	46,759	57,53	60,238	35,69	56,422	37,36	33,627	28,31
31,5	11,359	15,61	46,855	57,91	60,336	37,53	56,534	39,42	33,735	28,50
Aprile 10,5	11,413	16,13	46,917	58,06	60,387	39,57	56,597	41,68	33,808	28,92
20,5	11,436	16,44	46,948	58,01	60,397	41,71	56,612	44,05	33,849	29,53
30,4	11,433	16,56	46,952	57,78	60,368	43,88	56,585	46,44	33,862	30,29
Maggio 10,4	11,406	16,52	46,931	57,42	60,306	45,98	56,520	48,75	33,849	31,15
20,4	11,359	16,32	46,890	56,95	60,215	47,94	56,423	50,90	33,814	32,07
30,3	11,294	16,00	46,831	56,39	60,100	49,70	56,298	52,83	33,759	33,01
Giugno 9,3	11,214	15,57	46,756	55,78	59,967	51,21	56,150	54,47	33,687	33,93
19,3	11,122	15,05	46,667	55,12	59,818	52,41	55,985	55,78	33,600	34,81
29,3	11,021	14,45	46,568	54,45	59,659	53,29	55,806	56,72	3;,500	35,63
Luglio 9,2	10,913	14,79	46,462	53,77	59,494	53,81	55,619	57,28	33,392	36,35
19,2	10,802	13,08	46,351	53,11	59,326	53,96	55,428	57,43	33,277	36,95
29,2	10,691	12,35	46,239	52,49	59,160	53,74	55,238	57,17	33,159	37,44
Agosto 8,2	10,584	11,62	46,129	51,92	59,002	53,15	55,055	56,51	33,043	37,80
18,1	10,486	10,91	46,028	51,43	58,856	52,20	54,883	55,45	32,933	37,99
28,1	10,403	10,27	45,940	51,04	58,728	50,89	54,730	54,01	32,834	38,01
Sett. 7,1	10,341	9,71	45,871	50,77	58,623	49,24	54,602	52,21	32,753	37,84
17,0	10,305	9,29	45,827	50,67	58,548	47,28	54,504	50,07	32,695	37,46
27,0	10,302	9,04	45,814	50,76	58,509	45,03	54,443	47,62	32,667	36,86
Ottobre 7,0	10,337	9,00	45,838	51,07	58,512	42,52	54,427	44,91	32,675	36,01
17,0	10,414	9,20	45,903	51,62	58,561	39,80	54,460	41,98	32,723	34,93
26,9	10,535	9,67	46,012	52,43	58,661	36,90	54,546	38,89	32,815	33,60
Nov. 5,9	10,702	10,43	46,167	53,51	58,813	33,90	54,688	35,69	32,953	32,02
15,9	10,914	11,49	46,367	54,85	59,017	30,85	54,886	32,47	33,136	30,23
25,8	11,166	12,83	46,607	56,43	59,270	27,84	55,136	29,30	33,363	28,26
Dic. 5,8	11,451	14,42	46,883	58,22	59,566	24,95	55,434	26,28	33,627	26,16
15,8	11,763	16,22	47,186	60,16	59,897	22,26	55,772	23,50	33,920	23,98
25,8	12,090	18,18	47,507	62,20	60,254	19,86	56,139	21,03	34,234	21,79
35,7	12,423	20,23	47,835	64,28	60,624	17,83	56,525	18,97	34,560	19,66
Posizione media	$12^h.50^m.8^s,316$ $-9°.5'.57'',52$		$12^h.59^m.43^s,864$ $-3°.13'.39'',95$		$13^h.1^m.57^s,357$ $+36°.13'.54'',79$		$13^h.11^m.53^s,533$ $+41°.16'.56'',61$		$13^h.13^m.30^s,812$ $+5°.53'.46'',36$	

Giorno del mese	68 *i* Virginis gr. : 5,6		70 Virginis gr. : 5,2		*d* Centauri gr. : 4,0		73 Virginis gr. : 5,9		81 Ursae Majoris gr. : 5,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	13.22	12.17	13.24	14.12	13.26	38.59	13.27	18.18	13.31	55.45
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	27,091	13,84	28,724	27,89	21,431	15,64	41,392	42,56	0,503	25,31
10,7	27,429	15,81	29,056	25,79	21,837	17,18	41,738	44,43	0,978	23,57
20,7	27,760	17,80	29,384	23,96	22,235	19,03	42,079	46,40	1,459	22,41
30,7	28,076	19,76	29,698	22,45	22,615	21,13	42,404	48,40	1,929	21,88
Febbr. 9,7	28,369	21,62	29,991	21,30	22,968	23,41	42,706	50,37	2,373	21,99
19,6	28,632	23,34	30,255	20,53	23,287	25,82	42,979	52,26	2,777	22,71
Marzo 1,6	28,862	24,88	30,485	20,15	23,567	28,28	43,219	54,02	3,129	24,01
11,6	-29,056	26,21	30,678	20,16	23,805	30,74	43,423	55,62	3,421	25,83
21,6	29,214	27,32	30,833	20,50	24,000	33,14	43,590	57,04	3,647	28,07
31,5	29,336	28,20	30,950	21,15	24,153	35,45	43,721	58,26	3,806	30,63
Aprile 10,5	29,425	28,87	31,031	22,05	24,266	37,62	43,819	59,28	3,896	33,40
20,5	29,482	29,34	31,079	23,14	24,340	39,63	43,884	60,10	3,921	36,27
30,4	29,511	29,61	31,097	24,36	24,378	41,43	43,920	60,73	3,884	39,14
Maggio 10,4	29,513	29,72	31,087	25,65	24,381	43,02	43,928	61,17	3,790	41,89
20,4	29,492	29,68	31,053	26,96	24,353	44,37	43,912	61,44	3,647	44,44
30,4	29,449	29,50	30,997	28,23	24,294	45,45	43,873	61,54	3,461	46,70
Giugno 9,3	29,387	29,20	30,921	29,42	24,208	46,25	43,812	61,49	3,238	48,61
19,3	29,308	28,79	30,830	30,49	24,097	46,76	43,733	61,28	2,986	50,11
29,3	29,214	28,28	30,725	31,43	23,965	46,95	43,637	60,93	2,712	51,17
Luglio 9,3	29,107	27,70	30,609	32,19	23,815	46,84	43,527	60,44	2,423	51,76
19,2	28,992	27,05	30,486	32,76	23,652	46,42	43,407	59,83	2,126	51,85
29,2	28,871	26,35	30,359	33,13	23,482	45,70	43,280	59,11	1,829	51,46
Agosto 8,2	28,749	25,62	30,231	33,29	23,310	44,70	43,151	58,30	1,539	50,59
18,1	28,632	24,88	30,109	33,21	23,144	43,44	43,027	57,44	1,263	49,25
28,1	28,526	24,17	29,998	32,90	22,994	41,98	42,913	56,54	1,010	47,47
Sett. 7,1	28,436	23,51	29,903	32,34	22,866	40,36	42,816	55,64	0,789	45,28
17,1	28,371	22,95	29,830	31,54	22,771	38,63	42,743	54,80	0,606	42,71
27,0	28,336	22,53	29,787	30,47	22,716	36,88	42,703	54,05	0,471	39,81
Ottobre 7,0	28,339	22,28	29,780	29,15	22,710	35,18	42,700	53,46	0,391	36,64
17,0	28,384	22,25	29,813	27,57	22,758	33,61	42,741	53,06	0,374	33,25
27,0	28,475	22,47	29,890	25,76	22,865	32,24	42,830	52,89	0,424	29,71
Nov. 5,9	28,614	22,96	30,014	23,73	23,031	31,15	42,969	53,01	0,546	26,10
15,9	28,800	23,74	30,185	21,52	23,256	30,41	43,157	53,43	0,741	22,51
25,9	29,031	24,81	30,401	19,18	23,535	30,06	43,391	54,16	1,006	19,03
Dic. 5,8	29,300	26,15	30,656	16,76	23,860	30,12	43,665	55,19	1,336	15,76
15,8	29,600	27,72	30,945	14,34	24,222	30,61	43,970	56,51	1,722	12,79
25,8	29,921	29,49	31,257	11,99	24,609	31,53	44,299	58,08	2,154	10,22
35,8	30,254	31,39	31,583	9,78	25,009	32,83	44,640	59,85	2,617	8,15
Posizione media	13ʰ.22ᵐ.26ˢ,258 −12°.17′.11″,63		13ʰ.24ᵐ.28ˢ,079 +14°.12′.39″,20		13ʰ.26ᵐ.20ˢ,477 −38°.59′.22″,08		13ʰ.27ᵐ.40ˢ,555 −18°.18′.42″,51		13ʰ.31ᵐ.0ˢ,601 +55°.45′.47″,40	

Giorno del mese	25 Canum Venaticorum gr. : 4,9		82 m Virginis gr. : 5,2		83 Virginis gr. : 5,7		ν Centauri gr. : 3,5		υ' Centauri gr. : 4,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	13.33	36.41	13.37	8.17	13.40	15.46	13.44	41.16	13.53	44.24
	s	''	s	''	s	''	s	''	s	''
Genn. 0,8	52,137	65,13	22,222	44,46	8,154	20,39	39,216	57,11	40,939	23,74
10,8	52,506	63,12	22,554	46,41	8,495	24,23	39,632	58,40	41,372	24,86
20,7	52,877	61,57	22,884	48,35	8,833	24,14	40,045	60,04	41,803	26,35
30,7	53,237	60,53	23,201	50,21	9,159	26,06	40,444	61,95	42,222	28,14
Febbr. 9,7	53,576	60,04	23,497	51,94	9,465	27,92	40,819	64,08	42,618	30,19
19,7	53,884	60,10	23,767	53,49	9,743	29,69	41,162	66,37	42,984	32,44
Marzo 1,6	54,154	60,68	24,006	54,82	9,989	31,31	41,468	68,74	43,313	34,81
11,6	54,381	61,74	24,211	55,93	10,202	32,75	41,735	71,16	43,601	37,25
21,6	54,562	63,22	24,380	56,79	10,379	34,00	41,959	73,56	43,847	39,70
31,5	54,697	65,04	24,515	57,41	10,522	35,04	42,141	75,89	44,049	42,13
Aprile 10,5	54,787	67,11	24,618	57,81	10,631	35,88	42,282	78,12	44,209	44,47
20,5	54,833	69,34	24,689	58,01	10,709	36,53	42,383	80,22	44,326	46,70
30,5	54,839	71,64	24,731	58,03	10,757	37,00	42,445	82,14	44,403	48,78
Maggio 10,4	54,808	73,92	24,746	57,89	10,778	37,29	42,471	83,86	44,440	50,67
20,4	54,744	76,10	24,737	57,63	10,773	37,42	42,462	85,36	44,440	52,35
30,4	54,652	78,10	24,705	57,26	10,744	37,41	42,420	86,62	44,403	53,79
Giugno 9,4	54,535	79,87	24,653	56,80	10,693	37,26	42,346	87,61	44,331	54,95
19,3	54,397	81,35	24,582	56,27	10,622	36,98	42,243	88,30	44,227	55,82
29,3	54,242	82,51	24,494	55,69	10,533	36,59	42,114	88,69	44,094	56,37
Luglio 9,3	54,074	83,31	24,391	55,07	10,428	36,10	41,963	88,77	43,936	56,60
19,2	53,899	83,74	24,278	54,43	10,311	35,51	41,795	88,52	43,757	56,49
29,2	53,719	83,79	24,157	53,78	10,185	34,84	41,615	87,97	43,564	56,03
Agosto 8,2	53,540	83,44	24,033	53,14	10,056	34,11	41,429	87,11	43,363	55,25
18,2	53,369	82,71	23,911	52,53	9,929	33,34	41,247	85,97	43,164	54,17
28,1	53,210	81,60	23,798	51,98	9,810	32,55	41,077	84,59	42,976	52,81
Sett. 7,1	53,071	80,12	23,699	51,51	9,706	31,79	40,927	83,01	42,808	51,22
17,1	52,958	78,30	23,622	51,15	9,624	31,09	40,808	81,30	42,672	49,46
27,1	52,879	76,15	23,574	50,95	9,573	30,49	40,729	79,51	42,577	47,59
Ottobre 7,0	52,839	73,71	23,561	50,93	9,559	30,03	40,699	77,73	42,532	45,69
17,0	52,846	71,02	23,590	51,12	9,587	29,77	40,725	76,04	42,545	43,84
27,0	52,904	68,12	23,664	51,56	9,662	29,74	40,811	74,51	42,621	42,14
Nov. 5,9	53,015	65,08	23,786	52,26	9,786	29,98	40,959	73,23	42,763	40,66
15,9	53,181	61,95	23,956	53,22	9,960	30,50	41,169	72,26	42,971	39,48
25,9	53,399	58,82	24,170	54,44	10,181	31,31	41,437	71,66	43,240	38,65
Dic. 5,9	53,666	55,77	24,425	55,90	10,442	32,41	41,756	71,46	43,564	38,22
15,8	53,974	52,90	24,713	57,57	10,737	33,77	42,117	71,69	43,933	38,23
25,8	54,313	50,29	25,025	59,39	11,057	35,35	42,507	72,34	44,335	38,67
35,8	54,674	48,02	25,351	61,30	11,391	37,10	42,915	73,39	44,758	39,53
Posizione media	13ʰ.33ᵐ.51ˢ,813 +36°.42'.22'',90		13ʰ.37ᵐ.21ˢ,495 -8°.17'.41'',18		13ʰ.40ᵐ.7ˢ,400 -15°.46'.19'',71		13ʰ.44ᵐ.38ˢ,366 -41°.17'.4'',38		13ʰ.53ᵐ.40ˢ,136 -44°.24'.31'',91	

Giorno del mese	48 Hydrae gr. : 5,8		94 Virginis gr. : 6,6		9 (Hevelius) Bootis gr. : 5,4		100 λ Virginis gr. : 4,6		ψ Centauri gr. : 4,2	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	13.55	24.36	14. 2	8,30	14. 4	44.13	14.14	12.59	14.15	37.30
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	28,403	54,04	0,832	23,38	41,395	62,80	43,975	57,02	38,118	42,03
10,8	28,759	55,62	1,161	25,24	41,780	60,59	44,306	58,74	38,511	43,11
20,8	29,114	57,38	1,491	27,10	42,176	58,89	44,640	60,51	38,909	44,48
30,7	29,459	59,24	1,813	28,89	42,569	57,75	44,969	62,26	39,300	46,10
Febbr. 9,7	29,786	61,15	2,120	30,56	42,948	57,20	45,284	63,94	39,675	47,91
19,7	30,086	63,05	2,404	32,06	43,301	57,26	45,577	65,50	40,025	49,86
Marzo 1,7	30,356	64,90	2,659	33,35	43,620	57,90	45,844	66,89	40,344	51,90
11,6	30,593	66,66	2,884	34,41	43,897	59,08	46,082	68,10	40,630	53,97
21,6	30,795	68,29	3,076	25,23	44,127	60,74	46,288	69,11	40,880	56,02
31,6	30,961	69,76	3,235	35,81	44,308	62,78	46,462	69,91	41,092	58,02
Aprile 10,5	31,093	71,08	3,362	36,18	44,439	65,13	46,605	70,50	41,267	59,93
20,5	31,193	72,23	3,459	36,35	44,520	67,68	46,717	70,91	41,404	61,74
30,5	31,261	73,20	3,526	36,34	44,554	70,33	46,799	71,14	41,505	63,41
Maggio 10,5	31,299	73,99	3,565	36,18	44,543	72,98	46,853	71,22	41,570	64,93
20,4	31,309	74,61	3,578	35,89	44,491	75,54	46,880	71,17	41,601	66,27
30,4	31,291	75,06	3,566	35,50	44,402	77,93	46,880	71,00	41,597	63,41
Giugno 9,4	31,247	75,33	3,530	35,04	44,279	80,06	46,854	70,74	41,560	68,33
19,4	31,179	75,42	3,472	34,52	44,127	81,88	46,804	70,39	41,492	69,02
29,3	31,089	75,33	3,395	33,95	43,950	83,35	46,732	69,96	41,394	69,47
Luglio 9,3	30,980	75,06	3,299	33,35	43,753	84,42	46,640	69,47	41,269	69,65
19,3	30,855	74,63	3,188	32,73	43,541	85,07	46,530	68,93	41,122	69,56
29,2	30,718	74,04	3,065	32,11	43,319	85,29	46,405	68,34	40,957	69,21
Agosto 8,2	30,574	73,30	2,936	31,50	43,093	85,06	46,271	67,72	40,781	68,59
18,2	30,430	72,43	2,805	30,92	42,870	84,39	46,134	67,09	40,600	67,72
28,2	30,292	71,47	2,678	30,39	42,657	83,28	45,999	66,46	40,424	66,62
Sett. 7,1	30,169	70,44	2,563	29,94	42,461	81,76	45,875	65,87	40,263	65,34
17,1	30,068	69,39	2,467	29,59	42,290	79,84	45,768	65,35	40,125	63,92
27,1	29,998	68,38	2,397	29,38	42,153	77,56	45,687	64,92	40,020	62,41
Ottobre 7,1	29,966	67,45	2,361	29,34	42,058	74,95	45,639	64,63	39,958	60,87
17,0	29,979	66,67	2,365	29,50	42,011	72,05	45,632	64,51	39,947	59,39
27,0	30,042	66,08	2,415	29,88	42,019	68,92	45,670	64,60	39,993	58,04
Nov. 6,0	30,158	65,73	2,513	30,51	42,086	65,63	45,758	64,92	40,098	56,88
15,9	30,326	65,67	2,660	31,39	42,214	62,24	45,897	65,49	40,264	55,97
25,9	30,545	65,93	2,854	32,52	42,403	58,84	46,084	66,33	40,489	55,38
Dic. 5,9	30,809	66,50	3,091	33,89	42,649	55,53	46,315	67,42	40,767	55,14
15,9	31,110	67,39	3,364	35,46	42,946	52,40	46,585	68,73	41,090	55,27
25,8	31,439	68,57	3,665	37,19	43,285	49,55	46,885	70,24	41,448	55,77
35,8	31,786	70,01	3,985	39,01	43,655	47,07	47,205	71,89	41,829	56,62
Posizione media	13h.55m.27s,689 -24°.36′.56″,51		14h.2m.0s,239 -8°.30′.20″,72		14h.4m.41s,489 +44°.14′.21″,01		14h.14m.43s,423 -12°.59′.56″,10		14h.15m.37s,471 -37°.30′.48″,50	

Giorno del mese	2 Librae gr.: 6,3		τ' Lupi gr.: 4,7		22 *f* Bootis gr.: 5,4		24 *g* Bootis gr.: 5,6		204 (Bode) Bootis gr.: 6,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	14.19	11.20	14.20	44.51	14.22	19.34	14,25	50.11	14,26	42, 9
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	4,451	42,46	56,463	12,64	41,509	74,29	48,277	66,15	24,981	24,42
10,8	4,778	44,20	56,893	13,44	41,829	72,02	48,678	63,80	25,346	22,02
20,8	5,110	45,97	57,329	14,60	42,158	70,05	49,098	61,97	25,726	20,11
30,7	5,437	47,71	57,759	16,08	42,485	68,44	49,523	60,73	26,109	18,73
Febbr. 9,7	5,751	49,36	58,172	17,83	42,801	67,23	49,940	60,11	26,483	17,93
19,7	6,045	50,87	58,561	19,80	43,098	66,47	49,335	60,12	26,837	17,73
Marzo 1,7	6,313	52,20	58,918	21,92	43,370	66,16	50,698	60,76	27,162	18,13
11,6	6,552	53,33	59,238	24,14	43,611	66,29	51,020	61,98	27,451	19,08
21,6	6,761	54,25	59,520	26,41	43,820	66,84	51,293	63,71	27,698	20,54
31,6	6,938	54,95	59,761	28,68	43,994	67,75	51,514	65,88	27,900	22,42
Aprile 10,6	7,084	55,44	59,960	30,92	44,133	68,98	51,680	68,39	28,056	24,65
20,5	7,199	55,74	60,118	33,08	44,239	70,45	51,790	71,13	28,166	27,12
30,5	7,285	55,87	60,235	35,13	44,311	72,09	51,846	74,00	28,230	29,74
Maggio 10,5	7,342	55,85	60,310	37,04	44,352	73,84	51,849	76,88	28,250	32,40
20,4	7,372	55,70	60,346	38,77	44,363	75,61	51,804	79,69	28,228	35,01
30,4	7,375	55,44	60,343	40,30	44,345	77,36	51,712	82,33	28,168	37,49
Giugno 9,4	7,353	55,10	60,301	41,59	44,301	79,01	51,579	84,72	28,073	39,76
19,4	7,307	54,68	60,222	42,62	44,232	80,51	51,408	86,79	27,946	41,76
29,3	7,237	54,20	60,108	43,37	44,141	81,85	51,206	88,48	27,791	43,42
Luglio 9,3	7,146	53,68	59,964	43,81	44,029	82,98	50,976	89,76	27,611	44,72
19,3	7,038	53,12	59,793	43,93	43,900	83,86	50,726	90,60	27,412	45,62
29,3	6,915	52,53	59,601	43,73	43,758	84,47	50,460	90,96	27,199	46,08
Agosto 8,2	6,782	51,93	59,395	43,19	43,607	84,82	50,187	90,85	26,977	46,11
18,2	6,644	51,33	59,185	42,34	43,452	84,87	49,913	90,27	26,753	45,70
28,2	6,508	50,76	58,980	41,20	43,300	84,63	49,646	89,22	26,534	44,86
Sett. 7,1	6,382	50,23	58,790	39,80	43,157	84,09	49,396	87,71	26,328	43,60
17,1	6,272	49,78	58,626	38,20	43,030	83,26	49,170	85,78	26,143	41,92
27,1	6,188	49,44	58,499	36,44	42,928	82,12	48,979	83,45	25,988	39,86
Ottobre 7,1	6,137	49,24	58,419	34,61	42,857	80,68	48,831	80,76	25,870	37,45
17,0	6,125	49,22	58,396	32,78	42,825	78,97	48,735	77,76	25,798	34,73
27,0	6,159	49,40	58,436	31,04	42,838	76,99	48,698	74,51	25,779	31,74
Nov. 6,0	6,242	49,82	58,543	29,46	42,898	74,78	48,725	71,07	25,817	28,55
16,0	6,374	50,49	58,718	28,12	43,009	72,38	48,820	67,53	25,915	25,22
25,9	6,555	51,41	58,958	27,09	43,170	69,83	48,983	63,96	26,073	21,84
Dic. 5,9	6,781	52,57	59,256	26,42	43,377	67,20	49,212	60,48	26,289	18,50
15,9	7,046	53,94	59,605	26,15	43,626	64,57	49,500	57,19	26,558	15,29
25,8	7,341	55,50	59,995	26,29	43,909	62,01	49,840	54,17	26,871	12,32
35,8	7,658	57,18	60,411	26,83	44,217	59,62	50,221	51,53	27,219	9,67
Posizione media	$14^h.19^m.3^s,931$ $-11°.20'.41'',10$		$14^h.20^m.55^s,837$ $-44°.51'.21'',02$		$14^h.22^m.41^s,280$ $+19°.35'.25'',23$		$14^h.25^m.48^s,758$ $+50°.12'.24'',39$		$14^h.26^m.25^s,201$ $+42°.9'.41'',00$	

Giorno del mese	5 Ursae Minoris gr. : 4,4		26 Bootis gr. : 6,0		28 σ Bootis gr. : 4,5		29 π¹ Bootis gr. : 4,5		34 Bootis gr. : 4,9	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	14.27	76. 2	14.28	22.36	14.31	30. 5	14.36	16.45	14.39	26.51
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	37,30	60,65	51,780	45,90	9,255	33,17	55,325	43,74	51,789	65,13
10,8	38,16	58,60	52,101	43,59	9,586	30,79	55,638	41,48	52,110	62,74
20,8	39,09	57,16	52,431	41,60	9,929	28,79	55,960	39,47	52,443	60,69
30,8	40,06	56,38	52,762	39,98	10,273	27,24	56,284	37,79	52,780	59,05
Febbr. 9,7	41,02	56,28	53,083	38,80	10,609	26,18	56,599	36,49	53,110	57,88
19,7	41,94	56,85	53,386	38,09	10,927	25,64	56,898	35,61	53,423	57,21
Marzo 1,7	42,79	58,07	53,664	37,85	11,220	25,64	57,174	35,16	53,714	57,06
11,6	43,55	59,87	53,913	38,08	11,482	26,15	57,423	35,14	53,976	57,40
21,6	44,18	62,18	54,129	38,75	11,709	27,12	57,641	35,53	54,205	58,21
31,6	44,67	64,89	54,310	39,80	11,899	28,51	57,827	36,29	54,399	59,43
Aprile 10,6	45,00	67,90	54,456	41,18	12,050	30,24	57,980	37,37	54,558	61,00
20,5	45,18	71,08	54,567	42,81	12,164	32,23	58,100	38,71	54,680	62,83
30,5	45,19	74,32	54,641	44,61	12,240	34,39	58,189	40,23	54,767	64,85
Maggio 10,5	45,05	77,50	54,688	46,52	12,280	36,63	58,246	41,87	54,819	66,98
20,5	44,76	80,51	54,701	48,45	12,287	38,88	58,273	43,56	54,838	69,13
30,4	44,34	83,26	54,684	50,34	12,261	41,05	58,271	45,24	54,824	71,23
Giugno 9,4	43,80	85,67	54,639	52,13	12,204	43,08	58,242	46,86	54,781	73,21
19.4	43,16	87,67	54,569	53,76	12,120	44,91	58,186	48,37	54,710	75,02
29,3	42,43	89,21	54,475	55,19	12,010	46,49	58,107	49,71	54,612	76,60
Luglio 9,3	41,63	90,24	54,359	56,38	11,877	47,78	58,005	50,87	54,491	77,92
19,3	40,79	90,75	54,225	57,31	11,726	48,75	57,883	51,81	54,350	78,95
29,3	39,92	90,72	54,077	57,96	11,560	49,38	57,746	52,52	54,193	79,66
Agosto 8,2	39,05	90,16	53,919	58,30	11,384	49,65	57,598	52,97	54,024	80,03
18,2	38,19	89,07	53,757	58,33	11,204	49,55	57,444	53,15	53,849	80,05
28,2	37,36	87,48	53,596	58,04	11,026	49,08	57,289	53,06	53,675	79,72
Sett. 7,2	36,58	85,42	53,444	57,43	10,858	48,24	57,142	52,68	53,508	79,04
17,1	35,88	82,93	53,308	56,50	10,706	47,04	57,009	52,02	53,356	78,01
27,1	35,26	80,05	53,196	55,25	10,579	45,48	56,898	51,06	53,227	76,64
Ottobre 7,1	34,76	76,84	53,116	53,70	10,485	43,60	56,817	49,82	53,130	74,94
17,0	34,38	73,36	53,074	51,86	10,431	41,41	56,774	48,30	53,071	72,93
27,0	34,15	69,69	53,077	49,74	10,424	38,94	56,773	46,51	53,057	70,64
Nov. 6,0	34,07	65,91	53,128	47,39	10,468	36,25	56,820	44,48	53,093	68,11
16,0	34,15	62,11	53,231	44,85	10,565	33,38	56,918	42,24	53,181	65,39
25,9	34,39	58,38	53,385	42,17	10,716	30,40	57,065	39,84	53,322	62,54
Dic. 5,9	34,80	54,83	53,587	39,42	10,918	27,39	57,260	37,33	53,514	59,63
15,9	35,36	51,58	53,832	36,69	11,166	24,43	57,497	34,79	53,751	56,74
25,9	36,05	48,72	54,112	34,05	11,452	21,62	57,769	32,29	54,027	53,97
35,8	36,87	46,32	54,419	31,59	11,768	19,06	58,067	29,92	54,332	51,41
Posizione media	$14^h.27^m.40^s,707$ $+76°.3'.21'',87$		$14^h.28^m.51^s,629$ $+22°.36'.57'',44$		$14^h.31^m.9^s,239$ $+30°.5'.46'',62$		$14^h.36^m.55^s,143$ $+16°.45'.53'',26$		$14^h.39^m.51^s,771$ $+26°.52'.17'',30$	

Giorno del mese	36 ε Bootis gr. : 2,6		7 μ Librae gr. : 5,4		295 (Bode) Bootis gr. : 6,0		8 α' Librae gr. : 5,3		37 ξ Bootis gr. : 4,6	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	14.41	27.24	14.44	13.48	14.45	38. 8	14.46	15.39	14.47	19.25
	s	"	s	"	s	"	s	"	s	"
Genn. 0,8	26,983	41,51	52,889	44,51	55,663	25,17	12,591	40,26	39,117	61,28
10,8	27,304	39,10	53,211	46,06	56,003	22,67	12,917	41,75	39,426	58,95
20,8	27,638	37,04	53,542	47,67	56,360	20,59	13,251	43,32	39,749	56,90
30,8	27,975	35,40	53,873	49,28	56,723	19,01	13,584	44,91	40,074	55,19
Febbr. 9,7	28,306	34,23	54,195	50,83	57,082	17,98	13,909	46,46	40,393	53,88
19,7	28,621	33,57	54,501	52,27	57,426	17,53	14,218	47,92	40,698	53,01
Marzo 1.7	28,913	33,42	54,786	53,58	57,746	17,67	14,506	49,26	40,982	52,60
11,6	29,177	33,77	55,045	54,71	58,036	18,36	14,768	50,45	41,239	52,64
21,6	29,408	34,60	55,276	55,64	58,290	19,57	15,003	51,46	41,467	53,12
31,6	29,604	35,84	55,479	56,38	58,505	21,23	15,208	52,28	41,664	53,99
Aprile 10,6	29,765	37,43	55,651	56,93	58,678	23,27	15,383	52,93	41,827	55,20
20,5	29,889	39,29	55,794	57,31	58,808	25,58	15,529	53,41	41,958	55,67
30,5	29,977	41,34	55,907	57,52	58,897	28,08	15,645	53,73	42,056	58,34
Maggio 10,5	30,030	43,49	55,991	57,59	58,945	30,67	15,732	53,91	42,122	60,14
20,5	30,050	45,67	56,047	57,54	58,953	33,26	15,789	53,97	42,157	61,99
30,4	30,037	47,80	56,074	57,39	58,923	35,76	15,818	53,92	42,162	63,83
Giugno 9,4	29,994	49,81	56,073	57,15	58,858	38,10	15,819	53,78	42,137	65,59
19,4	29,922	51,64	56,044	56,83	58,760	40,20	15,791	53,55	42,085	67,23
29,3	29,824	53,25	55,988	56,45	58,632	42,01	15,736	53,24	42,007	68,70
Luglio 9,3	29,703	54,59	55,909	56,02	58,477	43,49	15,656	52,87	41,906	69,96
19,3	29,561	55,63	55,807	55,54	58,300	44,59	15,553	52,43	41,783	70,99
29,3	29,402	56,35	55,685	55,01	58,104	45,30	15,430	51,94	41,642	71,75
Agosto 8,2	29,231	56,73	55,549	54,45	57,896	45,60	15,293	51,39	41,489	72,24
18,2	29,055	56,75	55,404	53,89	57,682	45,48	15,147	50,81	41,328	72,43
28,2	28,878	56,42	55,257	53,32	57,468	44,93	14,998	50,22	41,165	72,33
Sett. 7,2	28,708	55,74	55,116	52,77	57,263	43,97	14,854	49,63	41,008	71,92
17,1	28,554	54,70	54,988	52,26	57,075	42,60	14,725	49,06	40,864	71,20
27,1	28,423	53,31	54,883	51,83	56,912	40,84	14,618	48,55	40,741	70,17
Ottobre 7,1	28,323	51,60	54,809	51,51	56,782	38,71	14,542	48,14	40,648	68,84
17,0	28,261	49,57	54,773	51,34	56,694	36,25	14,504	47,87	40,591	67,22
27,0	28,245	47,26	54,781	51,34	56,656	33,50	14,512	47,76	40,577	65,32
Nov. 6,0	28,279	44,71	54,838	51,55	56,671	30,52	14,569	47,86	40,611	63,18
16,0	28,365	41,97	54,947	52,00	56,744	27,36	14,678	48,18	40,696	60,82
25,9	28,504	39,10	55,107	52,68	56,876	24,10	14,838	48,75	40,831	58,30
Dic. 5,9	28,694	36,17	55,314	53,60	57,064	20,83	15,045	49,56	41,015	55,68
15,9	28,930	33,27	55,563	54,74	57,304	17,64	15,295	50,60	41,244	53,04
25,9	29,204	30,48	55,846	56,08	57,589	14,64	15,580	51,85	41,509	50,45
35,8	29,509	27,91	56,154	57,56	57,909	11,91	15,890	53,26	41,803	48,00
Posizione media	$14^h.41^m.26^s,985$ $+27°.24'.53'',73$		$14^h.44^m.52^s,487$ $-13°.48'.44'',43$		$14^h.45^m.55^s,922$ $+38°.8'.39'',74$		$14^h.46^m.12^s,188$ $-15°.39'.40'',76$		$14^h.47^m.39^s,030$ $+19°.26'.11'',07$	

Giorno del mese	13 ξ¹ Librae gr. : 5,8		15 ξ² Librae gr. : 5 8		43 (Bode) Librae gr. : 5,6		19 δ Librae gr. : 4 8		π Lupi gr. : 4,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	14.49	11.34	14.52	11. 5	14.52	21. 3	14.56	8.11	14.59	46.43
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	59,179	8,13	22,538	1,85	44,334	1,47	38,824	55,49	36,118	58,01
10,8	59,496	9,72	22,854	3,44	44,668	2,79	39,134	57,16	36,544	58,30
20,8	59,822	11,35	23,180	5,07	45,012	4,24	39,456	58,83	36,986	58,96
30,8	60,150	12,95	23,507	6,67	45,357	5,78	39,779	60,43	37,432	59,94
Febbr. 9,7	60,470	14,48	23,827	8,18	45,695	7,34	40,096	61,92	37,871	61,22
19,7	60,775	15,87	24,132	9,56	46,017	8,87	40,400	63,25	38,293	62,75
Marzo 1,7	61,060	17,10	24,417	10,77	46,319	10,33	40,684	64,38	38,691	64,48
11,7	61,320	18,13	24,678	11,78	46,595	11,70	40,945	65,28	39,059	66,36
21,6	61,553	18,96	24,912	12,57	46,844	12,94	41,179	65,95	39,393	68,34
31,6	61,757	19,57	25,119	13,16	47,065	14,04	41,386	66,39	39,690	70,39
Aprile 10,6	61,932	19,99	25,296	13,54	47,255	14,99	41,564	66,60	39,948	72,46
20,5	62,078	20,22	25,444	13,73	47,415	15,80	41,714	66,62	40,166	74,51
30,5	62,195	20,28	25,563	13,76	47,544	16,46	41,835	66,47	40,343	76,52
Maggio 10,5	62,283	20,21	25,653	13,65	47,644	17,00	41,927	66,17	40,477	78,45
20,5	62,342	20,02	25,714	13,42	47,713	17,41	41,991	65,77	40,567	80,26
30,4	62,373	19,73	25,747	13,11	47,752	17,70	42,026	65,28	40,613	81,93
Giugno 9,4	62,375	19,37	25,752	12,72	47,761	17,88	42,033	64,74	40,615	83,42
19,4	62,350	18,95	25,728	12,27	47,740	17,96	42,012	64,16	40,575	84,70
29,4	62,298	18,48	25,678	11,78	47,690	17,92	41,963	63,56	40,492	85,74
Luglio 9,3	62,221	17,98	25,602	11,27	47,612	17,78	41,889	62,95	40,369	86,51
19,3	62,121	17,45	25,503	10,73	47,510	17,54	41,792	62,35	40,211	86,98
29,3	62,001	16,91	25,384	10,19	47,387	17,19	41,674	61,77	40,022	87,14
Agosto 8,2	61,866	16,36	25,250	9,64	47,247	16,74	41,541	61,21	39,811	86,97
18,2	61,722	15,82	25,105	9,10	47,096	16,21	41,397	60,70	39,585	86,48
28,2	61,575	15,30	24,958	8,59	46,942	15,60	41,249	60,24	39,355	85,67
Sett. 7,2	61,432	14,81	24,815	8,12	46,793	14,94	41,105	59,85	39,132	84,56
17,1	61,302	14,39	24,684	7,72	46,657	14,26	40,972	59,55	38,928	83,19
27,1	61,194	14,06	24,574	7,42	46,544	13,59	40,860	59,37	38,756	81,61
Ottobre 7,1	61,116	13,86	24,493	7,24	46,463	12,97	40,776	59,33	38,627	79,88
17,1	61,075	13,81	24,450	7,21	46,421	12,45	40,728	59,46	38,551	78,07
27,0	61,078	13,94	24,451	7,37	46,425	12,06	40,723	59,78	38,538	76,26
Nov. 6,0	61,129	14,28	24,500	7,73	46,480	11,86	40,766	60,32	38,593	74,53
16,0	61,231	14,85	24,599	8,32	46,589	11,88	40,859	61,08	38,719	72,96
25,9	61,383	15,65	24,749	9,15	46,751	12,14	41,002	62,07	38,915	71,62
Dic. 5,9	61,583	16,68	24,946	10,19	46,962	12,66	41,193	63,27	39,177	70,58
15,9	61,826	17,92	25,186	11,44	47,217	13,42	41,426	64,65	39,498	69,88
25,9	62,102	19,32	25,461	12,86	47,509	14,43	41,695	66,17	39,867	69,54
35,8	62,401	20,86	25,762	14,41	47,827	15,64	41,990	67,81	40,272	69,60
Posizione media	14ʰ.49ᵐ.58ˢ,814 −11°.34′.7″,48		14ʰ.52ᵐ.22ˢ,188 −11°.5′.1″,11		14ʰ.52ᵐ.43ˢ,937 −21°.3′.3″,63		14ʰ.56ᵐ.38ˢ,512 −8°.11′.54″,00		14ʰ.59ᵐ.35ˢ,741 −46°.44′.6″,71	

Giorno del mese	44 *i* Bootis gr. : 4,9		45 *c* Bootis gr. : 5,0		*x'* Lupi gr. : 4,1		5 Serpentis gr. : 5,2		83 (Gould) *d* Lupi gr. : 3,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	15. 1	47.57	15. 3	25.10	15. 6	48.25	15.15	2. 4	15.16	40.21
	s	″	s	″	s	″	s	″	s	″
Genn. 0,8	6,435	52,28	44,503	51,15	18,013	42,27	10,723	71,21	3,290	11,81
10,8	6,797	49,63	44,809	48,68	18,446	42,42	11,017	69,26	3,672	12,17
20,8	7,185	47,47	45,132	46,53	18,899	42,94	11,326	67.41	4,072	12,83
30,8	7,587	45,86	45,462	44,76	19,356	43,81	11,641	65,73	4,479	13,76
Febbr. 9,7	7,990	44,84	45,790	43,44	19,809	44,99	11,954	64,27	4,882	14,92
19,7	8,382	44,45	46,106	42,61	20,246	46,44	12,256	63,08	5,272	16,27
Marzo 1,7	8,752	44,70	46,404	42,28	20,660	48,10	12,543	62,19	5,644	17,76
11,7	9,090	45,56	46,678	42,45	21,044	49,94	12,809	61,63	5,991	19,35
21,6	9,390	46,98	46,924	43,10	21,395	51,90	13,052	61,38	6,310	21,01
31,6	9,645	48,89	47,138	44,18	21,709	53,91	13,268	61,44	6,597	22,69
Aprile 10,6	9,852	51,21	47,319	45,63	21,983	56,03	13,457	61,78	6,852	24,38
20,6	10,009	53,83	47,465	47,38	22,216	58,12	13,619	62,36	7,071	26,03
30,5	10,116	56,66	47,578	49,34	22,407	60,18	13,752	63,13	7,254	27,64
Maggio 10,5	10,172	59,58	47,657	51,44	22,553	62,17	13,856	64,06	7,400	29,17
20,5	10,179	62,50	47,702	53,60	22,655	64,06	13,931	65,08	7,507	30,61
30,4	10,139	65,32	47,714	55,74	22,710	65,82	13,977	66,16	7,575	31,93
Giugno 9,4	10,054	67,95	47,694	57,79	22,719	67,41	13,994	67,25	7,602	33,12
19,4	9,928	70,32	47,644	59,69	22,683	68,79	13,982	68,32	7,589	34,14
29,4	9,764	72,37	47,565	61,40	22,602	69,94	13,941	69,34	7,536	34,97
Luglio 9,3	9,566	74,04	47,458	62,86	22,479	70,81	13,873	70,28	7,446	35,58
19,3	9,341	75,29	47,329	64,04	22,317	71,39	13,780	71,13	7,320	35,97
29,3	9,093	76,10	47,179	64,92	22,123	71,64	13,665	71,86	7,164	36,10
Agosto 8,3	8,828	76,45	47,013	65,48	21,903	71,56	13,532	72,46	6,983	35,97
18,2	8,555	76,32	46,837	65,70	21,668	71,14	13,386	72,91	6,785	35,58
28,2	8,280	75,72	46,657	65,57	21,427	70,39	13,233	73,21	6,579	34,92
Sett. 7,2	8,014	74,65	46,480	65,10	21,191	69,33	13,081	73,35	6,376	34,02
17,1	7,765	73,13	46,316	64,27	20,974	67,98	12,938	73,31	6,185	32,91
27,1	7,543	71,18	46,171	63,10	20,788	66,40	12,813	73,07	6,020	31,62
Ottobre 7,1	7,358	68,84	46,054	61,59	20,646	64,65	12,711	72,62	5,890	30,21
17,1	7,219	66,13	45,974	59,77	20,558	62,80	12,644	71,96	5,807	28,74
27,0	7,134	63,12	45,936	57,65	20,534	60,92	12,618	71,06	5,779	27,27
Nov. 6,0	7,109	59,86	45,947	55,27	20,580	59,10	12,638	69,94	5,811	25,87
16,0	7,150	56,43	46,010	52,67	20,698	57,42	12,707	68,59	5,908	24,62
25,9	7,258	52,90	46,126	49,91	20,889	55,96	12,825	67,03	6,070	23,58
Dic. 5,9	7,432	49,38	46,293	47,06	21,149	54,78	12,991	65,30	6,292	22,79
15,9	7,668	45,96	46,508	44,20	21,470	53,94	13,201	63,44	6,570	22,30
25,9	7,959	42,76	46,763	41,42	21,842	53,47	13,449	61,49	6,895	22,13
35,8	8,296	39,87	47,051	38,80	22,254	53,38	13,727	59,53	7,257	22,29
Posizione media	15ʰ.1ᵐ.7ˢ,130 +47°.58′.7″,80		15ʰ.3ᵐ.44ˢ,596 +25°.11′.1″,64		15ʰ.6ᵐ.17ˢ,686 −48°25′.51″,27		15ʰ.15ᵐ.10ˢ,576 +2°.4′.15″,08		15ʰ.16ᵐ.2ˢ,990 −40°.21′.19″,00	

Giorno del mese	ϕ^2 Lupi gr. : 4,7		30 o^2 Librae gr. : 6,6		2 η Coronae Borealis gr. : 5,1		32 ζ^1 Librae gr. : 5,9		53 ν^2 Bootis gr. : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	15.17	36.34	15.18	14.50	15.19	30.34	15.23	16.26	15.28	41.10
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	58,798	1,94	30,766	44,60	51,182	35,29	41,353	4,98	52,315	12,53
10,8	59,165	2,43	31,075	45,94	51,484	32,68	41,662	6,23	52,630	9,75
20,8	59,547	3,19	31,398	47,35	51,808	30,41	41,986	7,56	52,974	7,37
30,8	59,935	4,18	31,727	48,77	52,143	28,56	42,317	8,92	53,335	5,47
Febbr. 9,8	60,320	5,37	32,053	50,15	52,479	27,19	42,646	10,27	53,701	4,12
19,7	60,694	6,71	32,369	51,44	52,808	26,35	42,965	11,54	54,064	3,36
Marzo 1,7	61,050	8,15	32,669	52,60	53,122	26,05	43,269	12,70	54,413	3,22
11,7	61,383	9,65	32,949	53,61	53,414	26,30	43,554	13,72	54,739	3,68
21,7	61,688	11,19	33,205	54,45	53,678	27,06	43,816	14,59	55,036	4,71
31,6	61,963	12,72	33,436	55,11	53,912	28,29	44,053	15,29	55,298	6,25
Aprile 10,6	62,208	14,22	33,640	55,59	54,112	29,93	44,263	15,83	55,523	8,23
20,6	62,419	15,68	33,816	55,91	54,277	31,89	44,446	16,22	55,706	10,57
30,5	62,597	17,08	33,964	56,08	54,405	34,10	44,600	16,46	55,847	13,17
Maggio 10,5	62,739	18,40	34,083	56,12	54,498	36,46	44,726	16,59	55,945	15,93
20,5	62,845	19,62	34,173	56,06	54,554	38,88	44,821	16,61	55,999	18,75
30,5	62,914	20,73	34,232	55,91	54,574	41,29	44,886	16,54	56,010	21,54
Giugno 9,4	62,944	21,72	34,260	55,68	54,559	43,61	44,920	16,41	55,980	24,21
19,4	62,936	22,55	34,258	55,40	54,510	45,77	44,923	16,21	55,910	26,69
29,4	62,891	23,21	34,225	55,07	54,429	47,71	44,894	15,95	55,801	28,91
Luglio 9,4	62,809	23,68	34,163	54,70	54,318	49,38	44,835	15,64	55,658	30,81
19,3	62,694	23,95	34,073	54,28	54,179	50,74	44,747	15,28	55,484	32,35
29,3	62,550	24,01	33,960	53,84	54,017	51,77	44,634	14,88	55,283	33,49
Agosto 8,3	62,381	23,83	33,826	53,37	53,837	52,44	44,500	14,44	55,060	34,20
18,2	62,196	23,42	33,678	52,88	53,644	52,72	44,351	13,97	54,823	34,47
28,2	62,003	22,79	33,522	52,37	53,445	52,62	44,193	13,47	54,578	34,30
Sett. 7,2	61,811	21,95	33,366	51,87	53,247	52,14	44,034	12,96	54,335	33,68
17,2	61,631	20,93	33,219	51,40	53,059	51,26	43,883	12,45	54,102	32,61
27,1	61,473	19,77	33,090	50,98	52,889	50,01	43,750	11,98	53,888	31,11
Ottobre 7,1	61,350	18,51	32,988	50,64	52,746	48,39	43,643	11,58	53,703	29,21
17,1	61,270	17,22	32,921	50,41	52,640	46,42	43,572	11,27	53,557	26,92
27,1	61,242	15,94	32,897	50,32	52,576	44,13	43,544	11,09	53,458	24,29
Nov. 6,0	61,272	14,75	32,921	50,42	52,562	41,57	43,564	11,08	53,412	21,37
16,0	61,364	13,72	32,997	50,71	52,601	38,78	43,635	11,26	53,425	18,22
26,0	61,517	12,89	33,125	51,22	52,696	35,82	43,759	11,65	53,499	14,92
Dic. 5,9	61,728	12,32	33,302	51,95	52,845	32,77	43,933	12,25	53,634	11,54
15,9	61,993	12,03	33,525	52,88	53,044	29,73	44,153	13,07	53,825	8,19
25,9	62,302	12,03	33,786	54,00	53,288	26,77	44,413	14,08	54,069	4,98
35,9	62,647	12,34	34,077	55,31	53,570	23,99	44,703	15,25	54,364	2,00
Posizione media	15h.17m.58s,504 -36°.34′.8″,26		15h.18m.30s,518 -14°.50′.45″,42		15h.19m.51s,470 +30°.34′.46″,11		15h.23m.41s,121 -16°.26′.6″,30		15h.28m.52s,947 +41°.10′.24″,87	

Giorno del mese	37 Librae gr. : 4,8		40 τ Librae gr. : 3,8		7 ζ² Coronae Borealis gr. : 4,7		43 κ Librae gr. : 5,0		21 ι Serpentis gr. : 4,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	15.29	9.47	15.33	29.30	15.36	36.53	15.37	19.25	15.37	19.55
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	45,060	16,75	40,828	39,58	19,103	42,00	16,755	0,28	56,089	41,68
10,8	45,356	18,23	41,160	40,22	19,402	39,23	17,061	1,33	56,369	39,25
20,8	45,669	19,73	41,510	41,07	19,729	36,83	17,384	2,49	56,670	37,05
30,8	45,990	21,19	41,869	42,08	20,073	34,87	17,717	3,71	56,983	35,18
Febbr. 9,8	46,310	22,56	42,228	43,20	20,423	33,43	18,051	4,94	57,299	33,69
19,7	46,621	23,79	42,580	44,40	20,771	32,56	18,377	6,13	57,611	32,64
Marzo 1,7	46,919	24,84	42,917	45,63	21,106	32,28	18,690	7,25	57,911	32,06
11,7	47,199	25,69	43,234	46,86	21,421	32,58	18,986	8,27	58,194	31,95
21,7	47,457	26,32	43,529	48,07	21,710	33,44	19,261	9,16	58,455	32,31
31,6	47,691	26,72	43,798	49,23	21,968	34,81	19,512	9,91	58,690	33,10
Aprile 10,6	47,900	26,92	44,039	50,32	22,191	36,63	19,737	10,53	58,897	34,27
20,6	48,082	26,93	44,252	51,34	22,378	38,81	19,936	11,02	59,075	35,76
30,6	48,236	26,78	44,434	52,28	22,526	41,25	20,107	11,39	59,222	37,50
Maggio 10,5	48,363	26,50	44,584	53,14	22,633	43,87	20,250	11,64	59,338	39,42
20,5	48,460	26,11	44,701	53,91	22,701	46,57	20,361	11,81	59,421	41,44
30,5	48,527	25,65	44,784	54,59	22,729	49,27	20,441	11,89	59,472	43,49
Giugno 9,4	48,564	25,14	44,831	55,18	22,717	51,87	20,488	11,90	59,489	45,50
19,4	48,570	24,60	44,842	55,66	22,667	54,30	20,502	11,85	59,474	47,41
29,4	48,545	24,04	44,817	56,03	22,580	56,51	20,483	11,74	59,427	49,17
Luglio 9,4	48,490	23,48	44,757	56,27	22,458	58,42	20,432	11,56	59,350	50,74
19,3	48,407	22,93	44,663	56,37	22,306	59,99	20,350	11,32	59,244	52,08
29,3	48,298	22,40	44,540	56,33	22,126	61,20	20,240	11,03	59,113	53,16
Agosto 8,3	48,169	21,89	44,392	56,13	21,924	62,01	20,106	10,67	58,960	53,96
18,2	48,024	21,41	44,225	55,77	21,706	62,40	19,955	10,25	58,792	54,46
28,2	47,869	20,97	44,047	55,26	21,479	62,36	19,792	9,78	58,614	54,64
Sett. 7,2	47,713	20,59	43,867	54,60	21,252	61,90	19,626	9,27	58,434	54,51
17,2	47,563	20,28	43,695	53,83	21,032	61,01	19,466	8,73	58,260	54,05
27,1	47,430	20,06	43,541	52,96	20,830	59,70	19,323	8,20	58,100	53,27
Ottobre 7,1	47,321	19,96	43,416	52,04	20,654	57,99	19,205	7,70	57,964	52,16
17,1	47,245	20,00	43,329	51,11	20,514	55,90	19,121	7,26	57,859	50,74
27,1	47,211	20,20	43,288	50,23	20,418	53,46	19,079	6,92	57,794	49,01
Nov. 6,0	47,223	20,59	43,300	49,45	20,373	50,73	19,086	6,73	57,775	47,01
16,0	47,285	21,18	43,368	48,81	20,383	47,75	19,145	6,71	57,805	44,77
26,0	47,397	21,98	43,494	48,36	20,452	44,60	19,258	6,88	57,887	42,33
Dic. 5,9	47,559	22,97	43,676	48,13	20,579	41,36	19,423	7,26	58,020	39,75
15,9	47,767	24,15	43,909	48,15	20,761	38,12	19,635	7,85	58,201	37,10
25,9	48,014	25,48	44,185	48,41	20,994	34,97	19,888	8,64	58,424	34,46
35,9	48,292	26,92	44,496	48,91	21,270	32,02	20,175	9,60	58,684	31,92
Posizione media	$15^h.29^m.44^s,889$ $-9°.47'.16'',45$		$15^h.33^m.40^s,607$ $-29°.30'.44.'',24$		$15^h.36^m.19^s,643$ $+36°.53'.53'',02$		$15^h.37^m.16^s,570$ $-19°.25'.2'',54$		$15^h.37^m.56^s,265$ $+19°.55'.49'',07$	

Giorno del mese	45 λ Librae gr. : 5,1		1 χ Herculis gr. : 4,6		η Lupi gr. : 3,6		5 τ Herculis gr. : 5,3		16 τ Coronae Borealis gr. : 4,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	15.48	19.55	15.49	42.40	15.54	38. 9	15.57	18. 2	16. 5	36.41
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	37,868	30,95	51,654	27,72	45,072	52,31	35,638	22,54	59,843	36,08
10,9	38,168	31,90	51,955	24,83	45,419	52,39	35,903	20,15	60,115	33,21
20,8	38,487	32,97	52,289	22,32	45,791	52,72	36,192	17,96	60,420	30,66
30,8	38,818	34,10	52,646	20,28	46,177	53,29	36,495	16,06	60,748	28,52
Febbr. 9,8	39,152	35,24	53,015	18,78	46,567	54,06	36,806	14,52	61,089	26,88
19,7	39,480	36,36	53,384	17,88	46,954	53,99	37,116	13,40	61,433	25,79
Marzo 1,7	39,797	37,41	53,744	17,59	47,330	56,06	37,418	12,73	61,772	25,29
11,7	40,098	38,36	54,087	17,92	47,689	57,22	37,705	12,52	62,097	25,38
21,7	40,380	39,19	54,405	18,85	48,027	58,46	37,974	12,77	62,403	26,04
31,6	40,640	39,90	54,691	20,33	48,341	59,73	38,220	13,45	62,683	27,25
Aprile 10,6	40,876	40,48	54,941	22,27	48,627	61,02	38,442	14,52	62,932	28,94
20,6	41,086	40,94	55,152	24,61	48,883	62,31	38,637	15,92	63,148	31,02
» 30,6	41,268	41,28	55,320	27,24	49,107	63,58	38,803	17,58	63,328	33,42
Maggio 10,5	41,422	41,53	55,444	30,07	49,296	64,83	38,938	19,41	63,470	36,05
20,5	41,546	41,69	55,524	33,00	49,449	66,03	39,042	21,42	63,572	38,81
30,5	41,638	41,77	55,559	35,93	49,562	67,17	39,113	23,45	63,633	41,61
Giugno 9,4	41,696	41,79	55,549	38,77	49,635	68,23	39,151	25,47	63,653	44,35
19,4	41,721	41,76	55,496	41,43	49,666	69,19	39,155	27,40	63,632	46,97
29,4	41,711	41,67	55,402	43,86	49,654	70,03	39,126	29,21	63,571	49,39
Luglio 9,4	41,668	41,52	55,268	45,99	49,600	70,71	39,064	30,84	63,471	51,55
19,3	41,592	41,32	55,099	47,76	49,507	71,22	38,972	32,26	63,336	53,40
29,3	41,486	41,06	54,899	49,14	49,377	71,54	38,851	33,44	63,169	54,90
Agosto 8,3	41,355	40,75	54,673	50,10	49,216	71,65	38,706	34,35	62,975	56,01
18,3	41,204	40,37	54,428	50,61	49,030	71,53	38,542	34,98	62,759	56,72
28,2	41,040	39,94	54,172	50,66	48,828	71,17	38,365	35,30	62,529	56,99
Sett. 7,2	40,871	39,46	53,912	50,26	48,620	70,59	38,183	35,31	62,292	56,83
17,2	40,706	38,95	53,660	49,40	48,417	69,80	38,004	35,02	62,057	56,24
27,2	40,555	38,43	53,423	48,09	48,231	68,82	37,837	34,41	61,836	55,21
Ottobre 7,1	40,429	37,93	53,213	46,34	48,072	67,70	37,689	33,48	61,636	53,77
17,1	40,335	37,48	53,040	44,19	47,953	66,47	37,571	32,24	61,468	51,93
27,1	40,283	37,12	52,911	41,68	47,883	65,20	37,491	30,70	61,340	49,71
Nov. 6,0	40,279	36,89	52,835	38,85	47,869	63,95	37,454	28,88	61,261	47,16
16,0	40,327	36,81	52,818	35,75	47,917	62,78	37,466	26,81	61,236	44,33
26,0	40,428	36,92	52,863	32,47	48,028	61,74	37,529	24,52	61,268	41,29
Dic. 6,0	40,582	37,22	52,971	29,09	48,201	60,90	37,643	22,07	61,358	38,11
15,9	40,785	37,72	53,139	25,71	48,431	60,29	37,805	19,53	61,505	34,88
25,9	41,029	38,42	53,363	22,42	48,711	59,93	38,011	16,98	61,705	31,70
35,9	41,309	39,29	53,636	19,34	49,033	59,84	38,255	14,49	61,950	28,67
Posizione media	15h.48m.37s,729 −19°.55′.33″,45		15h.49m.52s,463 +42°.40′.38″,74		15h.54m.44s,963 −38°.9′.58″,76		15h.57m.35s,867 +18°.2′.28″,46		16h.6m.0s,526 +36°.41′.44″,92	

Giorno del mese	14 ν Scorpii gr. : 4,2		δ¹ Apodis gr. : 4,8		17 σ Coronae Borealis gr. : 5,4		55 (Gould) Scorpii gr. : 5,4		19 ξ Coronae Borealis gr. : 4,7	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	16. 7	19.15	16. 8	78.29	16.11	34. 3	16.14	30.42	16.18	31. 4
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	17,151	2,07	9,47	27,11	37,974	37,74	25,066	36,64	55,856	37,14
10,9	17,437	2,94	10,56	25,38	38,238	34,89	25,373	36,90	56,111	34,35
20,8	17,746	3,91	11,76	24,11	38,533	32,34	25,706	37,35	56,396	31,83
30,8	18,069	4,93	13,05	23,33	38,851	30,18	26,055	37,96	56,705	29,67
Febbr. 9,8	18,398	5,96	14,39	23,06	39,182	28,50	26,413	38,68	57,028	27,96
19,8	18,725	6,96	15,75	23,28	39,517	27,35	26,770	39,50	57,354	26,76
Marzo 1,7	19,044	7,88	17,10	23,98	39,848	26,76	27,120	40,37	57,677	26,10
11,7	19,350	8,71	18,41	25,12	40,167	26,76	27,458	41,26	57,991	26,01
21,7	19,640	9,41	19,65	26,67	40,467	27,32	27,779	42,16	58,288	26,47
31,7	19,911	9,99	20,81	28,59	40,744	28,41	28,081	43,04	58,564	27,46
Aprile 10,6	20,160	10,44	21,87	30,82	40,993	29,98	28,360	43,89	58,814	28,91
20,6	20,384	10,77	22,80	33,31	41,211	31,95	28,614	44,70	59,035	30,77
30,6	20,583	10,99	23,59	36,02	41,394	34,25	28,840	45,48	59,224	32,95
Maggio 10,6	20,754	11,12	24,24	38,89	41,541	36,77	29,036	46,21	59,378	35,36
20,5	20,896	11,18	24,73	41,84	41,650	39,43	29,199	46,91	59,497	37,93
30,5	21,006	11,18	25,04	44,82	41,720	42,15	29,327	47,57	59,578	40,56
Giugno 9,5	21,082	11,12	25,17	47,75	41,750	44,83	29,418	48,17	59,620	43,17
19,4	21,123	11,03	25,13	50,56	41,740	47,39	29,470	48,72	59,624	45,69
29,4	21,129	10,90	24,91	53,18	41,690	49,77	29,482	49,19	59,589	48,04
Luglio 9,4	21,099	10,74	24,53	55,54	41,603	51,91	29,454	49,58	59,516	50,17
19,4	21,035	10,54	23,98	57,57	41,480	53,75	29,387	49,87	59,407	52,02
29,3	20,939	10,30	23,29	59,20	41,324	55,26	29,283	50,03	59,265	53,56
Agosto 8,3	20,814	10,02	22,49	60,39	41,141	56,40	29,148	50,06	59,095	54,75
18,3	20,667	9,69	21,60	61,08	40,936	57,15	28,986	49,95	58,902	55,57
28,2	20,503	9,32	20,65	61,24	40,715	57,49	28,805	49,68	58,692	55,99
Sett. 7,2	20,332	8,92	19,68	60,86	40,487	57,41	28,615	49,26	58,474	56,01
17,2	20,161	8,48	18,74	59,95	40,261	56,90	28,424	48,70	58,255	55,63
27,2	20,002	8,04	17,86	58,52	40,045	55,98	28,215	48,01	58,046	54,84
Ottobre 7,1	19,863	7,61	17,09	56,61	39,850	54,65	28,089	47,22	57,856	53,65
17,1	19,755	7,22	16,45	54,30	39,685	52,92	27,965	46,38	57,694	52,08
27,1	19,687	6,91	15,99	51,66	39,559	50,82	27,883	45,52	57,570	50,14
Nov. 6,1	19,665	6,71	15,73	48,80	39,480	48,39	27,852	44,69	57,490	47,87
16,0	19,694	6,65	15,68	45,81	39,453	45,68	27,876	43,94	57,461	45,31
26,0	19,775	6,75	15,86	42,82	39,482	42,75	27,958	43,31	57,486	42,51
Dic. 6,0	19,909	7,03	16,26	39,94	39,567	39,65	28,098	42,85	57,566	39,55
15,9	20,093	7,49	16,88	37,26	39,707	36,49	28,291	42,58	57,700	36,52
25,9	20,321	8,13	17,70	34,88	39,899	33,37	28,533	42,52	57,884	33,49
35,9	20,585	8,93	18,69	32,89	40,137	30,38	28,816	42,66	58,113	30,57
Posizione media	16ʰ.7ᵐ.17ˢ,088 −19°.15′.4″,60		16ʰ.8ᵐ.11ˢ,417 −78°.29′.38″,70		16ʰ.11ᵐ.38ˢ,604 +34°.3′.45″,74		16ʰ.14ᵐ.25ˢ,022 −30°.42′.41″,50		16ʰ.18ᵐ.56ˢ,435 +31°.4′.44″,14	

Giorno del mese	23 Herculis gr. : 6,2		5 ρ Ophiuchi gr. : 4,8		30 g Herculis gr. : 5,0		72 (Gould) N Scorpii gr. : 4,3		β Apodis gr. : 4,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	16.19	32.30	16.20	23.15	16.25	42. 3	16.26	34.31	16.31	77.20
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	49,229	68,89	43,511	36,91	57,863	24,40	5,126	39,29	26,42	50,38
10,9	49,484	66,06	43,796	37,50	58,125	21,35	5,435	39,27	27,35	48,41
20,9	49,771	63,51	44,105	38,22	58,425	18,62	5,773	39,45	28,40	46,86
30,8	50,082	61,33	44,430	39,02	58,755	16,31	6,130	39,82	29,54	45,77
Febbr. 9,8	50,407	59,60	44,764	39,87	59,105	14,51	6,497	40,34	30,74	45,16
19,8	50,737	58,39	45,099	40,73	59,464	13,27	6,867	40,99	31,98	45,02
Marzo 1,8	51,064	57,74	45,429	41,56	59,823	12,64	7,233	41,73	33,22	45,35
11,7	51,382	57,66	45,748	42,33	60,173	12,64	7,587	42,55	34,44	46,13
21,7	51,683	58,14	46,051	43,03	60,506	13,25	7,927	43,40	35,62	47,32
31,7	51,962	59,15	46,337	43,65	60,816	14,43	8,248	44,28	36,73	48,89
Aprile 10,6	52,215	60,64	46,603	44,17	61,096	16,14	8,548	45,17	37,77	50,81
20,6	52,439	62,54	46,846	44,61	61,342	18,29	8,822	46,06	38,70	53,02
30,6	52,630	64,76	47,063	44,97	61,550	20,79	9,069	46,95	39,51	55,48
Maggio 10,6	52,786	67,23	47,252	45,27	61,717	23,55	9,285	47,83	40,20	58,14
20,5	52,905	69,85	47,412	45,51	61,841	26,48	9,467	48,69	40,74	60,93
30,5	52,986	72,53	47,539	45,71	61,920	29,48	9,613	49,53	41,13	63,79
Giugno 9,5	53,028	75,19	47,631	45,86	61,953	32,45	9,720	50,34	41,36	66,66
19,5	53,030	77,75	47,686	45,98	61,941	35,30	9,785	51,09	41,43	69,47
29,5	52,992	80,15	47,704	46,06	61,883	37,97	9,808	51,77	41,33	72,14
Luglio 9,4	52,916	82,32	47,685	46,09	61,781	40,38	9,787	52,37	41,06	74,60
19,4	52,804	84,20	47,628	46,07	61,639	42,47	9,724	52,86	40,64	76,78
29,3	52,659	85,76	47,536	46,00	61,459	44,20	9,622	53,21	40,09	78,61
Agosto 8,3	52,485	86,97	47,413	45,86	61,248	45,53	9,485	53,41	39,41	80,03
18,3	52,287	87,79	47,265	45,65	61,010	46,43	9,318	53,43	38,63	80,99
28,3	52,072	88,22	47,097	45,35	60,753	46,88	9,129	53,27	37,79	81,44
Sett. 7,2	51,849	88,23	46,919	44,97	60,487	46,87	8,928	52,93	36,91	81,37
17,2	51,626	87,83	46,740	44,54	60,220	46,39	8,725	52,40	36,03	80,76
27,2	51,412	87,02	46,570	44,05	59,962	45,45	8,532	51,71	35,19	79,62
Ottobre 7,1	51,217	85,80	46,120	43,52	59,725	44,07	8,360	50,87	34,42	77,99
17,1	51,051	84,18	46,299	43,00	59,518	42,25	8,221	49,93	33,77	75,92
27,1	50,922	82,20	46,217	42,51	59,351	40,02	8,124	48,93	33,27	73,48
Nov. 6,1	50,838	79,88	46,182	42,09	59,233	37,44	8,078	47,92	32,94	70,77
16,0	50,805	77,26	46,199	41,77	59,170	34,54	8,089	49,96	32,80	67,88
26,0	50,827	74,41	46,269	41,59	59,166	31,40	8,160	46,09	32,87	64,92
Dic. 6,0	50,905	71,40	46,393	41,58	59,225	28,09	8,290	45,35	33,15	62,00
16,0	51,038	68,31	46,569	41,74	59,346	24,72	8,477	44,79	33,62	59,23
25,9	51,221	65,23	46,791	42,08	59,524	21,38	8,715	44,44	34,28	56,71
35,9	51,450	62,27	47,051	42,59	59,754	18,18	8,998	44,30	35,11	54,52
Posizione media	16h.19m.49s,849 +32°.31′.16″,06		16h.20m.43s,490 −23°.15′.40″,34		16h.25m.58s,824 +42°.3′.32″,43		16h.26m.5s,139 −34°.31′.44″,76		16h.31m.28s,470 −77°.21′.0″,98	

Giorno del mese	12 Ophiuchi gr. : 5,9		42 Herculis gr. : 5,1		40 ζ Herculis gr. : 3,0		η Arae gr. : 3,7		45 *l* Herculis gr. : 5,3	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	16.32	2. 9	16.36	49. 4	16.38	31.44	16.42	58.53	16.43	5.23
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	5,921	10,43	31,559	62,30	13,286	49,25	46,537	45,58	46,859	26,03
10,9	6,168	12,01	31,822	59,11	13,522	46,41	46,967	44,21	47,091	24,15
20,9	6,441	13,54	32,133	56,25	13,793	43,82	47,449	43,18	47,351	22,35
30,8	6,731	14,98	32,481	53,82	14,089	41,57	47,969	42,49	47,631	20,71
Febbr. 9,8	7,032	16,26	32,856	51,92	14,403	39,76	48,514	42,15	47,923	19,29
19,8	7,335	17,32	33,246	50,61	14,726	38,45	49,072	42,15	48,220	18,16
Marzo 1,8	7,636	18,13	33,641	49,93	15,050	37,68	49,631	42,48	48,517	17,36
11,7	7,929	18,67	34,029	49,91	15,368	37,48	50,182	43,13	48,808	16,90
21,7	8,209	18,92	34,401	50,53	15,673	37,84	50,715	44,05	49,089	16,81
31,7	8,474	18,88	34,749	51,75	15,960	37,74	51,224	45,23	49,356	17,07
Aprile 10,6	8,720	18,58	35,065	53,53	16,224	40,14	51,702	46,65	49,605	17,65
20,6	8,947	18,04	35,343	55,78	16,461	41,96	52,142	48,26	49,835	18,53
30,6	9,150	17,30	35,578	58,41	16,668	44,13	52,538	50,04	50,043	19,65
Maggio 10,6	9,327	16,41	35,766	61,33	16,842	46,57	52,885	51,95	50,225	20,95
20,5	9,477	15,41	35,904	64,43	16,980	49,18	53,176	53,96	50,379	22,39
30,5	9,597	14,34	35,990	67,61	17,081	51,89	53,407	56,02	50,503	23,91
Giugno 9,5	9,685	13,25	36,022	70,78	17,142	54,60	53,573	58,09	50,596	25,45
19,5	9,740	12,17	36,002	73,83	17,163	57,24	53,670	60,13	50,654	26,97
29,4	9,760	11,13	35,929	76,69	17,143	59,73	53,697	62,07	50,676	28,43
Luglio 9,4	9,744	10,16	35,806	79,21	17,083	62,01	53,653	63,86	50,663	29,78
19,4	9,694	9,27	35,636	81,50	16,985	64,03	53,540	65,46	50,614	31,00
29,3	9,612	8,48	35,423	83,41	16,851	65,75	53,362	66,80	50,532	32,07
Agosto 8,3	9,500	7,81	35,173	84,90	16,686	67,12	53,126	67,84	50,419	32,97
18,3	9,364	7,26	34,893	85,94	16,494	68,12	52,842	68,54	50,281	33,68
28,3	9,209	6,83	34,591	86,51	16,282	68,73	52,521	68,86	50,122	34,20
Sett. 7,2	9,042	6,53	34,277	86,59	16,059	68,93	52,178	68,78	49,951	34,51
17,2	8,872	6,38	33,960	86,17	15,832	68,72	51,830	68,29	49,775	34,61
27,2	8,708	6,38	33,652	85,27	15,611	68,10	51,492	67,40	49,602	34,49
Ottobre 7,1	8,561	6,54	33,364	83,89	15,406	67,06	51,184	66,14	49,444	34,14
17,1	8,439	6,88	33,108	82,04	15,227	65,63	50,923	64,56	49,309	33,56
27,1	8,349	7,39	32,894	79,76	15,083	63,82	50,724	62,70	49,205	32,75
Nov. 6,1	8,300	8,10	32,732	77,10	14,982	61,65	50,600	60,64	49,141	31,71
16,0	8,298	9,01	32,629	74,10	14,930	59,18	50,561	58,47	49,122	30,44
26,0	8,345	10,10	32,592	70,85	14,931	56,45	50,613	56,26	49,151	28,96
Dic. 6,0	8,441	11,36	32,624	67,42	14,988	53,54	50,756	54,10	49,229	27,30
16,0	8,585	12,77	32,724	63,90	15,099	50,52	50,988	52,08	49,354	25,50
25,9	8,772	14,29	32,890	60,40	15,261	47,48	51,302	50,27	49,524	23,61
35,9	8,997	15,89	33,118	57,05	15,470	44,52	51,688	48,73	49,733	21,70
Posizione media	16h.32m.6s,033 −2°.9′.10″,01		16h.36m.32s,900 +49°.5′.10″,20		16h.38m.13s,952 +31°.44′.54″,96		16h.42m.46s,994 −58°.53′.54″,12		16h.43m.47s,076 +5°.23′.27″,37	

Giorno del mese	μ' Scorpii gr. : 3,1		47 k Herculis gr. : 5,5		53 Herculis gr. : 5,4		25 ι Ophiuchi gr. : 4,3		30 Ophiuchi gr : 5,0	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	16.46	37.54	16.46	7.23	16.49	31.49	16.50	10.17	16.56	4. 6
	s	"	s	"	s	"	s	"	s	"
Genn. 0,9	22,740	28,83	23,103	10,26	53,003	60,73	10,169	49,63	47,048	7,81
10,9	23,043	28,48	23,332	8,29	53,228	57,86	10,396	47,53	47,277	9,20
20,9	23,377	28,33	23,589	6,42	53,490	55,22	10,649	45,56	47,534	10,57
30,8	23,736	28,37	23,867	4,72	53,779	52,91	10,924	43,77	47,811	11,86
Febbr. 9,8	24,110	28,59	24,158	3,26	54,088	51,02	11,213	42,25	48,103	13,01
19,8	24,490	28,96	24,455	2,11	54,408	49,63	11,509	41,06	48,401	13,98
Marzo 1,8	24,870	29,46	24,752	1,30	54,732	48,78	11,806	40,24	48,700	14,72
11,7	25,244	30,07	25,043	0,85	55,052	48,49	12,099	39,81	48,996	15,20
21,7	25,606	30,76	25,325	0,79	55,361	48,77	12,382	39,79	49,283	15,41
31,7	25,952	31,52	25,593	1,10	55,654	49,59	12,652	40,16	49,558	15,36
Aprile 10,7	26,278	32,33	25,844	1,75	55,927	50,92	12,905	40,90	49,819	15,05
20,6	26,582	33,19	26,075	2,71	56,175	52,69	13,138	41,96	50,062	14,52
30,6	26,858	34,09	26,284	3,92	56,394	54,82	13,349	43,30	50,284	13,80
Maggio 10,6	27,104	35,01	26,468	5,33	56,580	57,24	13,534	44,85	50,483	12,93
20,5	27,316	35,95	26,624	6,88	56,731	59,85	13,692	46,55	50,656	11,96
30,5	27,491	36,90	26,749	8,51	56,845	62,56	13,819	48,34	50,799	10,92
Giugno 9,5	27,624	37,85	26,842	10,16	56,919	65,30	13,913	50,15	50,911	9,86
19,5	27,713	38,78	26,901	11,79	56,953	67,98	13,972	51,93	50,988	8,81
29,4	27,757	39,65	26,924	13,35	56,945	70,53	13,995	53,64	51,029	7,80
Luglio 9,4	27,754	40,45	26,911	14,80	56,896	72,88	13,981	55,23	51,033	6,85
19,4	27,705	41,15	26,862	16,11	56,807	74,97	13,932	56,66	51,000	5,99
29,4	27,611	41,72	26,779	17,25	56,681	76,77	13,849	57,91	50,932	5,23
Agosto 8,3	27,198	42,14	26,666	18,21	56,522	78,24	13,734	58,95	50,831	4,57
18,3	27,310	42,37	26,527	18,97	56,334	79,33	13,593	59,77	50,702	4,02
28,3	27,116	42,40	26,367	19,51	56,125	80,04	13,430	60,35	50,550	3,58
Sett. 7,2	26,905	42,21	26,194	19,83	55,902	80,34	13,253	60,68	50,383	3,27
17,2	26,688	41,81	26,015	19,92	55,673	80,23	13,072	60,76	50,209	3,08
27,2	26,477	41,20	25,841	19,77	55,448	79,70	12,893	60,57	50,038	3,02
Ottobre 7,2	26,284	40,41	25,681	19,38	55,238	78,75	12,727	60,12	49,879	3,10
17,1	26,121	39,46	25,542	18,74	55,052	77,40	12,584	59,40	49,741	3,33
27,1	26,000	38,40	25,435	17,85	54,898	75,66	12,471	58,41	49,634	3,72
Nov. 6,1	25,929	37,27	25,367	16,72	54,786	73,57	12,397	57,16	49,565	4,28
16,1	25,915	36,14	25,344	15,36	54,723	71,15	12,367	55,67	49,541	5,01
26,0	25,963	35,05	25,368	13,79	54,712	68,46	12,385	53,95	49,565	5,92
Dic. 6,0	26,073	34,06	25,442	12,03	54,756	65,57	12,452	52,04	49,638	6,99
16,0	26,243	33,21	25,564	10,13	54,854	62,56	12,568	50,00	49,758	8,20
25,9	26,467	32,54	25,730	8,15	55,004	59,52	12,728	47,88	49,923	9,52
35,9	26,739	32,06	25,936	6,14	55,202	56,54	12,929	45,74	50,127	10,91
Posizione media	16h.46m.22s,848 −37°.54'.34",58		16h.46m.23s,349 +7°.23'.11",81		16h.49m.53s,707 +31°.50'.5",59		16h.50m.10s,463 +10°.17'.51",47		16h.56m.47s,215 −4°.6'.8",41	

Giorno del mese	59 *d* Herculis gr.: 5,3		36 *A* Ophiuchi gr.: 4,6		68 *u* Herculis gr.: 4,6-5,4		69 *e* Herculis gr.: 4,8		72 *w* Herculis gr.: 5,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	16.58	33.40	17.10	26.29	17.14	33.10	17.14	37.22	17.17	32.33
	s	″	s	″	s	″	s	″	s	″
Genn. 0,9	36,115	60,10	21,742	2,31	19,147	68,04	51,639	28,25	36,877	72,56
10,9	36,333	57,16	21,990	2,44	19,348	65,10	51,841	25,19	37,075	69,61
20,9	36,589	54,45	22,270	2,69	19,589	62,37	52,085	22,36	37,312	66,86
30,9	36,875	52,08	22,575	3,02	19,862	59,94	52,364	19,84	37,582	64,40
Febbr. 9,8	37,183	50,13	22,896	3,42	20,159	57,91	52,670	17,75	37,876	62,34
19,8	37,504	48,67	23,227	3,85	20,472	56,36	52,994	16,16	38,187	60,75
Marzo 1,8	37,831	47,76	23,561	4,28	20,794	55,35	53,328	15,13	38,507	59,69
11,7	38,156	47,42	23,893	4,70	21,118	54,91	53,663	14,69	38,829	59,19
21,7	38,472	47,67	24,219	5,09	21,436	55,04	53,994	14,85	39,146	59,27
31,7	38,774	48,48	24,534	5,43	21,742	55,74	54,312	15,60	39,453	59,91
Aprile 10,7	39,056	49,80	24,836	5,74	22,032	56,96	54,612	16,90	39,743	61,08
20,6	39,314	51,58	25,120	6,01	22,300	58,66	54,889	18,69	40,013	62,72
30,6	39,543	53,74	25,384	6,25	22,542	60,76	55,138	20,89	40,257	64,76
Maggio 10,6	39,739	56,20	25,623	6,48	22,754	63,17	55,354	23,42	40,471	67,12
20,6	39,900	58,87	25,834	6,70	22,931	65,81	55,534	26,19	40,652	69,71
30,6	40,022	61,66	26,013	6,92	23,070	68,60	55,674	29,11	40,796	72,45
Giugno 9,5	40,104	64,49	26,157	7,15	23,170	71,44	55,770	32,09	40,900	75,25
19,5	40,144	67,26	26,263	7,39	23,227	74,26	55,822	35,04	40,962	78,03
29,4	40,141	69,91	26,328	7,64	23,241	76,97	55,828	37,88	40,981	80,71
Luglio 9,4	40,096	72,37	26,350	7,88	23,212	79,51	55,789	40,54	40,956	83,22
19,4	40,009	74,57	26,329	8,11	23,140	81,82	55,706	42,95	40,889	85,51
29,4	39,884	76,48	26,267	8,31	23,027	83,84	55,580	45,06	40,781	87,51
Agosto 8,3	39,723	78,05	26,166	8,46	22,877	85,53	55,415	46,83	40,635	89,19
18,3	39,532	79,24	26,031	8,54	22,695	86,86	55,218	48,22	40,457	90,51
28,3	39,318	80,03	25,868	8,54	22,487	87,80	54,994	49,20	40,252	91,45
Sett. 7,3	39,089	80,41	25,686	8,44	22,261	88,34	54,750	49,75	40,029	91,99
17,2	38,853	80,37	25,494	8,25	22,025	88,45	54,497	49,85	39,796	92,11
27,2	38,619	79,90	25,302	7,96	21,789	88,13	54,244	49,50	39,562	91,80
Ottobre 7,2	38,398	79,00	25,122	7,59	21,563	87,39	54,001	48,70	39,337	91,07
17,1	38,200	77,68	24,964	7,15	21,357	86,22	53,779	47,47	39,132	89,91
27,1	38,034	75,96	24,840	6,68	21,182	84,64	53,588	45,80	38,956	88,35
Nov. 6,1	37,910	73,87	24,758	6,20	21,045	82,69	53,437	43,73	38,819	86,41
16,0	37,833	71,44	24,725	5,74	20,954	80,39	53,333	41,31	38,727	84,12
26,0	37,809	68,73	24,744	5,34	20,914	77,78	53,282	38,58	38,685	81,53
Dic. 6,0	37,840	65,81	24,817	5,04	20,928	74,95	53,288	35,61	38,697	78,70
16,0	37,927	62,76	24,944	4,85	20,997	71,96	53,351	32,49	38,763	75,72
26,0	38,067	59,66	25,121	4,78	21,119	68,90	53,470	29,30	38,882	72,66
35,9	38,255	56,62	25,342	4,85	21,291	65,87	53,640	26,15	39,050	69,63
Posizione media	$16^h.58^m.36^s,896$	$+33°.41'.4'',52$	$17^h.10^m.21^s,876$	$-26°.29'.6'',22$	$17^h.14^m.19^s,951$	$+33°.11'.11'',20$	$17^h.14^m.52^s,578$	$+37°.22'.31'',73$	$17^h.17^m.37^s,670$	$+32°.34'.15'',41$

Giorno del mese	146 (Gould) Scorpii gr. : 5,1		75 ρ Herculis gr. : 4,1		44 b Ophiuchi gr. : 4,3		49 σ Ophiuchi gr. : 4,4		76 λ Herculis gr. : 4,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	17.18	44. 5	17.20	37.12	17.21	24. 6	17.22	4.12	17.27	26.10
	s	"	s	"	s	"	s	"	s	"
Genn. 0,9	16,001	3,57	52,324	67,39	25,135	4,07	29,397	35,12	27,199	13,22
10,9	16,297	2,64	52,519	64,33	25,369	4,25	29,598	33,38	27,387	10,51
20,9	16,635	1,91	52,757	61,47	25,636	4,52	29,829	31,70	27,611	7,97
30,9	17,005	1,38	53,031	58,93	25,928	4,85	30,085	30,16	27,866	5,68
Febbr. 9,8	17,398	1,06	53,332	56,81	26,238	5,22	30,359	28,82	28,144	3,73
19,8	17,805	0,93	53,653	55,18	26,559	5,59	30,644	27,74	28,439	2,21
Marzo 1,8	18,219	0,98	53,984	54,11	26,886	5,95	31,935	26,96	28,743	1,17
11,8	18,634	1,20	54,318	53,62	27,212	6,26	31,227	26,52	29,050	0,65
21,7	19,042	1,57	54,649	53,73	27,534	6,51	31,515	26,42	29,355	0,66
31,7	19,439	2,08	54,969	54,43	27,848	6,71	31,795	26,67	29,652	1,20
Aprile 10,7	19,820	2,72	55,272	55,69	28,150	6,84	32,064	27,25	29,935	2,23
20,6	20,180	3,48	55,553	57,44	28,436	6,92	32,318	28,12	30,201	3,70
30,6	20,515	4,35	55,807	59,61	28,703	6,96	32,553	29,25	30,446	5,56
Maggio 10,6	20,820	5,32	56,029	62,11	28,948	6,97	32,767	30,57	30,664	7,73
20,6	21,090	6,38	56,215	64,87	29,166	6,97	32,956	32,04	30,852	10,13
30,5	21,320	7,51	56,361	67,79	29,354	6,98	33,116	33,60	31,007	12,68
Giugno 9,5	21,505	8,69	56,465	70,77	29,508	7,01	33,244	35,19	31,125	15,30
19,5	21,642	9,90	56,524	73,74	29,624	7,05	33,338	36,77	31,204	17,91
29,5	21,727	11,10	56,538	76,60	29,699	7,11	33,395	38,29	31,242	20,44
Luglio 9,4	21,759	12,25	56,505	79,29	29,732	7,19	33,414	39,72	31,239	22,82
19,4	21,737	13,32	56,427	81,74	29,723	7,28	33,395	41,03	31,194	25,01
29,4	21,662	14,28	56,307	83,90	29,672	7,36	33,338	42,18	31,109	26,95
Agosto 8,3	21,539	15,08	56,147	85,72	29,581	7,42	33,246	43,16	30,987	28,59
18,3	21,373	15,68	55,953	87,16	29,455	7,45	33,123	43,97	30,832	29,92
28,3	21,173	16,05	55,731	88,20	29,301	7,42	32,974	44,58	30,650	30,91
Sett. 7,3	20,947	16,17	55,490	88,81	29,125	7,32	32,807	45,00	30,448	31,53
17,2	20,708	16,02	55,237	88,98	28,937	7,15	32,629	45,21	30,235	31,77
27,2	20,469	15,60	54,983	88,69	28,748	6,91	32,449	45,21	30,019	31,63
Ottobre 7,2	20,242	14,92	54,739	87,96	28,568	6,61	32,277	45,00	29,811	31,10
17,2	20,042	14,00	54,514	86,78	28,409	6,26	32,123	44,57	29,620	30,18
27,2	19,881	12,87	54,319	85,17	28,280	5,88	31,995	43,92	29,455	28,89
Nov. 6,1	19,771	11,58	54,163	83,16	28,191	5,50	31,902	43,05	29,326	27,24
16,1	19,719	10,20	54,054	80,78	28,149	5,16	31,851	41,96	29,240	25,26
26,1	19,731	8,78	53,998	78,09	28,157	4,87	31,845	40,67	29,201	22,99
Dic. 6,0	19,810	7,37	53,997	75,15	28,218	4,66	31,887	39,20	29,213	20,48
16,0	19,954	6,04	54,052	72,05	28,331	4,56	31,976	37,58	29,276	17,80
26,0	20,160	4,83	54,163	68,88	28,493	4,58	32,110	35,87	29,389	15,04
35,9	20,421	3,79	54,327	65,73	28,700	4,70	32,285	34,12	29,548	12,27
Posizione media	$17^h.18^m.20^s,593$ $-44°.5'.10'',01$		$17^h.20^m.53^s,270$ $+37°.13'.10'',36$		$17^h.21^m.25^s,296$ $-24°.6'.7'',65$		$17^h.22^m.29^s,691$ $+4°.12'.34'',79$		$17^h.27^m.27^s,846$ $+26°.10'.14'',80$	

Giorno del mese	56 *o* Serpentis gr. : 4,4		3 χ Sagittarii gr. : 4,4-5,0		88 z Herculis gr. : 6,4		168 (Hels) Herculis gr. : 6,1		89 Herculis gr. : 5,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	17.36	12.49	17.42	27.47	17.47	48.24	17.49	39.59	17.52	26. 3
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	51,478	56,90	27,437	60,90	54,637	54,16	25,466	55,79	8,410	43,22
10,9	51,682	57,65	27,657	60,74	54,803	50,82	25,629	52,64	8,572	40,53
20,9	51,917	58,43	27,913	60,67	55,025	47,66	25,839	49,66	8,773	37,97
30,9	52,178	59,19	28,198	60,67	55,296	44,81	26,091	46,96	9,007	35,64
Febbr. 9,8	52,459	59,89	28,505	60,73	55,609	42,37	26,376	44,64	9,268	33,62
19,8	52,752	60,48	28,826	60,83	55,953	40,43	26,687	42,80	9,549	32,00
Marzo 1,8	53,052	60,94	29,156	60,94	56,320	39,07	27,016	41,50	9,844	30,85
11,8	53,355	61,24	29,491	61,04	56,699	38,34	27,356	40,79	10,147	30,20
21,7	53,656	61,36	29,824	61,13	57,082	38,25	27,698	40,69	10,452	30,08
31,7	53,952	61,30	30,152	61,19	57,459	38,80	28,035	41,19	10,754	30,49
Aprile 10,7	54,239	61,06	30,472	61,23	57,821	39,97	28,361	42,28	11,047	31,41
20,7	54,513	60,68	30,779	61,27	58,161	41,69	28,669	43,91	11,326	32,79
30,6	54,772	60,18	31,069	61,30	58,471	43,91	28,952	46,00	11,587	34,58
Maggio 10,6	55,010	59,58	31,338	61,35	58,745	46,54	29,205	48,47	11,825	36,69
20,6	55,225	58,92	31,581	61,43	58,976	49,48	29,424	51,24	12,036	39,06
30,5	55,412	58,23	31,795	61,53	59,160	52,64	29,603	54,22	12,215	41,62
Giugno 9,5	55,568	57,53	31,974	61,68	59,293	55,92	29,738	57,32	12,358	44,27
19,5	55,688	56,86	32,115	61,87	59,371	59,22	29,827	60,44	12,463	46,94
29,5	55,770	56,24	32,214	62,11	59,393	62,46	29,868	63,50	12,526	49,56
Luglio 9,4	55,813	55,67	32,268	62,37	59,358	65,56	29,859	66,42	12,546	52,05
19,4	55,815	55,16	32,277	62,65	59,268	68,43	29,801	69,13	12,523	54,37
29,4	55,777	54,73	32,241	62,94	59,125	71,02	29,695	71,58	12,458	56,46
Agosto 8,4	55,700	54,36	32,162	63,20	58,933	73,26	29,546	73,70	12,353	58,28
18,3	55,589	54,05	32,044	63,42	58,698	75,11	29,357	75,46	12,212	59,79
28,3	55,449	53,79	31,893	63,56	58,427	76,54	29,135	76,81	12,040	60,96
Sett. 7,3	55,287	53,58	31,717	63,62	58,128	77,50	28,888	77,73	11,845	61,77
17,2	55,111	53,42	31,525	63,57	57,812	77,98	28,624	78,21	11,634	62,22
27,2	54,931	53,30	31,328	63,42	57,488	77,96	28,354	78,22	11,417	62,28
Ottobre 7,2	54,757	53,23	31,136	63,16	57,170	77,44	28,089	77,76	11,203	61,95
17,2	54,599	53,22	30,961	62,80	57,869	76,42	27,838	76,84	11,002	61,23
27,1	54,468	53,27	30,814	62,37	56,595	74,92	27,613	75,46	10,824	60,13
Nov. 6,1	54,371	53,40	30,705	61,88	56,361	72,96	27,424	73,65	10,678	58,66
16,1	54,316	53,63	30,641	61,37	56,176	70,57	27,278	71,44	10,572	56,84
26,1	54,307	53,97	30,628	60,87	56,047	67,81	27,182	68,87	10,511	54,72
Dic. 6,0	54,347	54,42	30,668	60,41	55,979	64,75	27,142	66,01	10,498	52,34
16,0	54,436	54,98	30,762	60,04	55,976	61,48	27,159	62,94	10,535	49,76
26,0	54,571	55,64	30,907	59,83	56,039	58,08	27,233	59,75	10,621	47,06
35,9	54,747	56,38	31,098	59,90	56,166	54,67	27,363	56,55	10,754	44,33
Posizione media	$17^h.36^m.51^s,685$ $-12°.49'.59'',35$		$17^h.42^m.27^s,652$ $-27°.48'.4'',71$		$17^h.47^m.56^s,124$ $+48°.24'.55'',33$		$17^h.49^m.26^s,553$ $+39°.59'.56'',55$		$17^h.52^m.9^s,084$ $+26°.3'.43'',10$	

Giorno del mese	69 τ Ophiuchi gr.: 4,9		θ Arae gr.: 3,9		70 Ophiuchi gr.: 4,1		ε Telescopii gr.: 4,6		40 Draconis gr.: 6,2	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	17.58	8.10	18. 0	50, 5	18. 1	2.30	18. 5	45.58	18. 5	79.59
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	39,983	50,27	19,001	48,88	21,362	63,95	12,577	6,55	57,34	30,85
10,9	40,161	51,21	19,260	47,33	21,529	62,38	12,815	5,20	57,52	27,43
20,9	40,373	52,15	19,572	45,93	21,729	60,85	13,102	3,98	57,94	24,15
30,9	40,612	53,04	19,928	44,71	21,958	59,42	13,430	2,91	58,58	21,15
Febbr. 9,9	40,873	53,82	20,319	43,69	22,209	58,17	13,789	2,00	59,42	18,53
19,8	41,150	54,47	20,736	42,88	22,477	57,15	14,174	1,27	60,43	16,39
Marzo 1,8	41,437	54,93	21,171	42,88	22,757	56,41	14,576	0,71	61,57	14,82
11,8	41,731	55,18	21,617	41,90	23,043	55,98	14,988	0,32	62,80	13,87
21,7	42,026	55,21	22,066	41,73	23,332	55,88	15,404	0,11	64,07	13,58
31,7	42,319	55,02	22,512	41,76	23,620	56,12	15,819	0,06	65,34	13,94
Aprile 10,7	42,607	54,61	22,950	42,00	23,902	56,67	16,227	0,18	66,56	14,94
20,7	42,886	54,00	23,373	42,44	24,174	57,51	16,623	0,46	66,70	16,53
30,7	43,151	53,23	23,775	43,07	24,434	58,60	17,001	0,91	68,71	18,64
Maggio 10,6	43,399	52,34	24,150	43,89	24,676	59,89	17,355	1,52	69,56	21,21
20,6	43,626	51,36	24,491	44,88	24,897	61,33	17,679	2,29	70,23	24,13
30,6	43,827	50,34	24,792	46,03	25,092	62,87	17,966	3,20	70,70	27,31
Giugno 9,5	43,997	49,31	25,045	47,31	25,256	64,45	18,210	4,24	70,96	30,65
19,5	44,134	48,30	25,246	48,70	25,387	66,02	18,406	5,59	71,01	34,07
29,5	44,233	47,35	25,389	50,16	25,481	67,54	18,549	6,61	70,83	37,45
Luglio 9,4	44,293	46,47	25,471	51,64	25,535	68,98	18,635	7,88	70,45	40,72
19,4	44,311	45,69	25,490	53,10	25,548	70,29	18,663	9,14	69,86	43,80
29,4	44,288	45,01	25,446	54,50	25,522	71,46	18,632	10,35	69,09	46,62
Agosto 8,4	44,226	44,43	25,342	55,77	25,457	72,46	18,545	11,47	68,14	49,11
18,3	44,127	43,96	25,182	56,86	25,356	73,29	18,406	12,45	67,05	51,23
28,3	43,997	43,59	24,974	57,72	25,224	73,94	18,221	13,24	65,84	52,92
Sett. 7,3	43,842	43,32	24,729	58,32	25,068	74,40	18,000	13,80	64,53	54,15
17,3	43,671	43,14	24,458	58,60	24,896	74,66	17,754	14,10	63,15	54,91
27,2	43,492	43,06	24,176	58,62	24,715	74,73	17,495	14,12	61,74	55,15
Ottobre 7,2	43,315	43,07	23,897	58,25	24,536	74,61	17,239	13,85	60,33	54,87
17,2	43,151	43,18	23,636	57,57	24,369	74,28	16,999	13,29	58,96	54,08
27,1	43,009	43,39	23,408	56,59	24,223	73,75	16,788	12,46	57,66	52,78
Nov. 6,1	42,899	43,71	23,227	55,35	24,107	73,02	16,620	11,39	56,46	50,99
16,1	42,827	44,15	23,104	53,89	24,028	72,09	16,505	10,13	55,40	48,75
26,1	42,798	44,71	23,046	52,27	23,991	70,98	16,450	8,73	54,52	46,10
Dic. 6,0	42,815	45,38	23,058	50,56	23,998	69,69	16,459	7,25	53,83	43,10
16,0	42,879	46,17	23,142	48,83	24,052	68,26	16,534	5,74	53,37	39,85
26,0	42,988	47,05	23,296	47,12	24,151	66,73	16,674	4,26	53,15	36,43
36,0	43,140	47,99	23,514	45,50	24,291	65,15	16,874	2,85	53,17	32,96
Posizione media	$17^h.58^m.40^s,239$ $-8^\circ.10'.52'',66$		$18^h.0^m.19^s,523$ $-50^\circ.5'.53'',82$		$18^h.1^m.21^s,692$ $+2^\circ.31'.2'',11$		$18^h.5^m.13^s,022$ $-45^\circ.58'.11'',09$		$18^h.6^m.6^s,580$ $+79^\circ,59'.30'',25$	

Giorno del mese	446 (Bode) Herculis gr.: 5.7		2 μ Lyrae gr.: 5,0		75 (Gould) Sagittarii gr.: 5,4		Bradley 2329 gr.: 5,3		3 (Hev.) Scuti (1 Aquilae) gr.: 4,1	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	18.18	23.14	18.21	39.27	18.25	33. 2	18,30	11. 2	18,30	8,17
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	45,383	37,22	32,603	46,08	45,739	35,12	32,010	26,69	47,659	63,78
11,0	45,519	34,69	32,727	42,97	45,922	34,43	32,160	27,35	47,806	64,61
20,9	45,694	32,24	32,899	39,96	46,145	33,80	32,346	28,00	47,988	65,43
30,9	45,904	29,98	33,115	37,17	46,404	33,23	32,562	28,61	48,201	66,20
Febbr. 9,9	46,142	27,99	33,370	34,71	46,692	32,72	32,803	28,14	48,439	66,86
19,8	46,403	26,36	33,655	32,67	47,002	32,25	33,064	29,54	48,696	67,39
Marzo 1,8	46,683	25,15	33,965	31,14	47,330	31,83	33,340	29,79	48,969	67,73
11,8	46,974	24,42	34,292	30,17	47,669	31,45	33,627	29,86	49,253	67,87
21,8	47,272	24,19	34,628	29,80	48,014	31,11	33,921	29,73	49,544	67,79
31,7	47,571	24,47	34,967	30,04	48,363	30,80	34,218	29,41	49,838	67,48
Aprile 10,7	47,867	25,24	35,302	30,87	48,709	30,53	34,515	28,90	50,132	66,95
20,7	48,155	26,47	35,625	32,25	49,050	30,31	34,807	28,23	50,421	66,24
30,7	48,429	28,10	35,930	34,14	49,380	30,16	35,091	27,42	50,701	65,36
Maggio 10,6	48,684	30,08	36,211	36,45	49,693	30,09	35,361	26,51	50,968	64,36
20,6	48,916	32,34	36,462	39,10	49,984	30,11	35,613	25,53	51,217	63,27
30,6	49,119	34,79	36,676	42,01	50,248	30,23	35,842	24,52	51,443	62,14
Giugno 9,5	49,289	37,36	36,849	45,08	50,479	30,46	36,042	23,53	51,641	61,01
19,5	49,422	39,98	36,977	48,23	50,671	30,79	36,210	22,58	51,806	59,92
29,5	49,514	42,57	37,057	51,38	50,820	31,21	36,341	21,70	51,934	58,89
Luglio 9,5	49,564	45,06	37,087	54,43	50,921	31,72	36,431	20,90	52,023	57,94
19,4	49,570	47,41	37,066	57,32	50,973	32,29	36,479	20,21	52,069	57,10
29,4	49,533	49,55	36,995	59,99	50,975	32,89	36,483	19,63	52,072	56,39
Agosto 8,4	49,454	51,45	36,877	62,37	50,927	33,49	36,445	19,15	52,034	55,79
18,4	49,336	53,06	36,715	64,41	50,834	34,06	36,367	18,78	51,956	55,31
28,3	49,185	54,37	36,515	66,08	50,698	34,56	36,254	18,51	51,842	54,95
Sett. 7,3	49,007	55,34	36,285	67,34	50,529	34,97	36,111	18,33	51,700	54,70
17,3	48,809	55,96	36,033	68,16	50,336	35,24	35,946	18,23	51,536	54,55
27,2	48,600	56,22	35,768	68,54	50,128	35,37	35,769	18,19	51,360	54,50
Ottobre 7,2	48,390	56,12	35,501	68,45	49,917	35,34	35,589	18,22	51,180	54,54
17,2	48,190	55,64	35,243	67,88	49,716	35,13	35,417	18,31	51,008	54,67
27,2	48,008	54,79	35,004	66,85	49,536	34,78	35,262	18,47	50,854	54,89
Nov. 6,1	47,853	53,58	34,795	65,37	49,389	34,28	35,134	18,70	50,726	55,21
16,1	47,733	52,03	34,625	63,46	49,283	33,66	35,040	19,00	50,631	56,63
26,1	47,655	50,17	34,500	61,16	49,224	32,97	34,986	19,38	50,576	56,15
Dic. 6,1	47,622	48,04	34,425	58,53	49,218	32,23	34,976	19,85	50,565	56,77
16,0	47,636	45,70	34,405	55,64	49,266	31,47	35,012	20,40	50,599	57,49
26,0	47,698	43,21	34,440	52,58	49,366	30,72	35,092	21,01	50,677	58,27
36,0	47,805	40,66	34,529	49,44	49,517	30,02	35,215	21,67	50,798	59,11
Posizione media	18h.18m.46s,008 +23°.14′.35″,26		18h.21m.33s,677 +39°.27′.44″,07		18h.25m.46s,051 −33°.2′.38″,56		18h.30m.32s,279 −11°.2′.29″,63		18h.30m.47s,937 −8°.18′.6″,68	

GIORNO DEL MESE	4 (Hev.) Scuti (2 Aquilae) gr. : 4,7		27 ϕ Sagittarii gr. : 3,3		4 ε^1 Lyrae gr. : 4,7		5 ε^2 Lyrae gr. : 4,5		6 (Hev.) Scuti (6 Aquilae) gr. : 4,5	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	18.37	9. 7	18.40	27. 4	18.41	39.34	18.41	39.31	18.42	4.49
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	50,052	49,08	35,505	27,82	38,249	67,75	40,737	41,82	52,304	65,31
11,0	50,193	49,83	35,662	27,44	38,348	64,67	40,836	38,74	52,437	66,31
20,9	50,370	50,57	35,859	27,08	38,497	61,65	40,984	35,73	52,605	67,28
30,9	50,577	51,25	36,090	26,74	38,691	58,82	41,178	32,90	52,804	68,18
Febbr. 9,9	50,810	51,84	36,349	26,41	38,925	56,28	41,412	30,36	53,029	68,97
19,9	51,064	52,29	36,631	26,08	39,194	54,14	41,681	28,22	53,275	69,59
Marzo 1,8	51,334	52,57	36,931	25,73	39,491	52,47	41,977	26,56	53,538	70,00
11,8	51,616	52,66	37,245	25,35	39,808	51,35	42,295	25,44	53,814	70,17
21,8	51,906	52,53	37,567	24,94	40,140	50,82	42,626	24,91	54,099	70,09
31,7	52,201	52,18	37,895	24,51	40,479	50,90	42,965	24,98	54,390	69,75
Aprile 10,7	52,496	51,63	38,224	24,05	40,818	51,57	43,304	25,65	54,681	69,16
20,7	52,788	50,89	38,549	23,59	41,150	52,80	43,636	26,89	54,970	68,34
30,7	53,072	50,00	38,867	23,15	41,468	54,55	43,954	28,64	55,252	67,33
Maggio 10,6	53,343	48,99	39,172	22,74	41,765	56,75	44,251	30,84	55,522	66,16
20,6	53,598	47,90	39,458	22,39	42,034	59,33	44,520	33,41	55,775	64,89
30,6	53,830	46,78	39,720	22,11	42,270	62,19	44,755	36,27	56,007	63,55
Giugno 9,6	54,034	45,66	39,952	21,93	42,466	65,24	44,951	39,32	56,211	62,19
19,5	54,206	44,58	40,148	21,85	42,618	68,41	45,103	42,49	56,384	60,86
29,5	54,342	43,56	40,304	21,87	42,722	71,60	45,207	45,68	56,520	59,59
Luglio 9,5	54,437	42,63	40,416	21,99	42,775	74,74	45,261	48,81	56,617	58,41
19,4	54,490	41,82	40,482	22,20	42,777	77,74	45,263	51,81	56,672	57,34
29,4	54,500	41,12	40,499	22,49	42,728	80,53	45,214	54,61	56,684	56,41
Agosto 8,4	54,468	40,55	40,468	22,82	42,630	83,07	45,116	57,14	56,653	55,61
18,4	54,395	40,10	40,392	23,17	42,485	85,29	44,972	59,36	56,583	54,96
28,3	54,286	39,76	40,276	23,51	42,299	87,15	44,786	61,23	56,476	54,46
Sett. 7,3	54,147	39,52	40,126	23,82	42,080	88,62	44,567	62,69	56,339	54,10
17,3	53,985	39,39	39,949	24,07	41,835	89,66	44,323	63,73	59,179	53,87
27,3	53,810	39,34	39,757	24,23	41,574	90,26	44,062	64,33	56,005	53,78
Ottobre 7,2	53,630	39,38	39,560	24,29	41,308	90,39	43,796	64,46	55,827	53,81
17,2	53,457	39,50	39,369	24,25	41,047	90,05	43,535	64,12	55,653	53,97
27,2	53,300	39,70	39,195	24,11	40,801	89,23	43,289	63,31	55,495	54,25
Nov. 6,1	53,168	39,99	39,049	23,87	40,581	87,96	43,069	62,03	55,361	54,66
16,1	53,070	40,37	38,940	23,55	40,395	86,24	42,884	60,32	55,259	55,19
26,1	53,011	40,83	38,874	23,18	40,252	84,12	42,742	58,20	55,194	55,85
Dic. 6,1	52,994	41,39	38,855	22,78	40,157	81,64	42,647	55,72	55,171	56,62
16,0	53,022	42,03	38,886	22,37	40,114	78,87	42,604	52,95	55,192	57,49
26,0	53,094	42,74	38,966	21,97	40,125	75,90	42,615	49,98	55,256	58,44
36,0	53,208	43,50	39,093	21,59	40,190	72,81	42,680	46,90	55,361	59,44
Posizione media	$18^h.37^m.50^s,329$ $-9°.7'.52'',08$		$18^h.40^m.35^s,791$ $-27°.4'.30'',89$		$18^h.41^m.39^s,311$ $+39°.35'.4'',06$		$18^h.41^m.41^s,796$ $+39°.31'.38'',13$		$18^h.42^m.52^s,600$ $-4°.50'.8'',40$	

Giorno del mese	111 Herculis gr. : 4,4		204 (Bode) Draconis gr. : 5,8		30 Sagittarii gr. : 6,2		50 Draconis gr. : 5,4		40 τ Sagittarii gr. : 3,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	18.43	18. 5	18.44	52.53	18.45	22.15	18.48	75.20	19. 1	27.47
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	26,065	28,40	52,763	58,05	58,079	18,32	53,90	26,48	52,771	21,55
11,0	26,179	26,16	52,843	54,67	58,225	18,23	53,90	23,03	52,905	21,06
20,9	26,331	23,98	52,988	51,35	58,408	18,14	54,06	19,61	53,080	20,57
30,9	26,518	21,93	53,195	48,22	58,625	18,05	54,39	16,36	53,290	20,08
Febbr. 9,9	26,735	20,11	53,458	45,39	58,870	17,93	54,86	13,39	53,531	19,59
19,9	26,976	18,59	53,769	42,98	59,138	17,77	55,47	10,82	53,797	19,08
Marzo 1,8	27,237	17,44	54,120	41,08	59,423	17,55	56,19	8,75	54,085	18,55
11,8	27,513	16,72	54,501	39,76	59,722	17,26	57,00	7,25	54,389	17,99
21,8	27,800	16,45	54,905	39,07	60,031	16,88	57,86	6,39	54,706	17,40
31,7	28,093	16,65	55,315	39,03	60,345	16,42	58,75	6,19	55,031	16,79
Aprile 10,7	28,386	17,31	55,727	39,64	60,662	15,90	59,64	6,65	55,361	16,16
20,7	28,676	18,40	56,129	40,86	60,977	15,32	60,50	7,74	55,692	15,54
30,7	28,958	19,87	56,511	42,65	61,284	14,72	61,30	9,42	56,018	14,95
Maggio 10,6	29,225	21,67	56,863	44,94	61,580	14,11	62,02	11,63	56,334	14,41
20,6	29,473	23,74	57,178	47,65	61,859	13,52	62,64	14,27	56,635	13,94
30,6	29,696	26,01	57,447	50,69	62,115	12,98	63,14	17,28	56,914	13,56
Giugno 9,6	29,889	28,40	57,664	53,97	62,343	12,51	63,51	20,56	57,165	13,30
19,5	30,048	30,84	57,823	57,38	62,538	12,13	63,73	24,00	57,382	13,16
29,5	30,169	33,28	57,920	60,84	62,693	11,85	63,81	27,52	57,560	13,15
Luglio 9,5	30,248	35,63	57,954	64,26	62,806	11,68	63,73	31,02	57,694	13,26
19,4	30,284	37,87	57,924	67,56	62,874	11,60	63,51	34,42	57,780	13,49
29,4	30,276	39,92	57,830	70,66	62,896	11,61	63,15	37,65	57,818	13,81
Agosto 8,4	30,226	41,75	57,675	73,48	62,871	11,69	62,66	40,63	57,806	14,20
18,4	30,136	43,34	57,465	75,98	62,802	11,84	62,05	43,29	57,747	14,64
28,3	30,009	44,65	57,205	78,10	62,693	12,02	61,33	45,58	57,645	15,09
Sett. 7,3	29,852	45,67	56,903	79,79	62,551	12,20	60,52	47,46	57,505	15,51
17,3	29,673	46,38	56,571	81,02	62,383	12,37	59,64	48,88	57,337	15,89
27,3	29,479	46,76	56,220	81,77	62,200	12,50	58,72	49,80	57,150	16,18
Ottobre 7,2	29,281	46,81	55,861	82,00	62,010	12,59	57,78	50,21	56,952	16,37
17,2	29,087	46,53	55,505	81,71	61,826	12,62	56,84	50,09	56,756	16,45
27,2	28,908	45,92	55,165	80,90	61,657	12,59	55,92	49,42	56,574	16,41
Nov. 6,1	28,752	44,99	54,855	79,57	61,514	12,51	55,05	48,22	56,417	16,26
16,1	28,628	43,74	54,584	77,75	61,406	12,40	54,27	46,51	56,293	16,00
26,1	28,541	42,20	54,363	75,48	61,338	12,27	53,58	44,31	56,208	15,66
Dic. 6,1	28,495	40,40	54,200	72,80	61,316	12,13	53,01	41,68	56,169	15,26
16,0	28,493	38,39	54,100	69,80	61,341	12,00	52,59	38,69	56,178	14,82
26,0	28,536	36,22	54,065	66,56	61,413	11,89	52,32	35,43	56,235	14,35
36,0	28,622	33,97	54,097	63,19	61,529	11,80	52,21	32,01	56,339	13,88
Posizione media	$18^h.43^m.26^s,590$ $+18°.5'.25'',01$		$18^h.44^m.54^s,507$ $+52°.53'.53'',74$		$18^h.45^m.58^s,350$ $-22°.15'.21'',33$		$18^h.48^m.59^s,733$ $+75°.20'.21'',09$		$19^h.1^m.53^s,067$ $-27°.47'.24'',29$	

Giorno del mese	20 Aquilae gr. : 5,4		19 Lyrae gr. : 5,8		55 Draconis gr. : 6,2		21 Aquilae gr. : 5,1		42 ψ Sagittarii gr. : 4,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	19. 8	8. 4	19. 8	31. 8	19. 9	65.50	19. 9	2. 9	19.10	25.23
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	16,829	30,45	38,811	55,93	24,73	41,68	37,283	21,36	34,225	48,40
11,0	16,939	31,17	38,887	53,20	24,73	38,25	37,384	20,04	34,347	48,03
21,0	17,086	31,87	39,008	50,49	24,83	34,81	37,521	18,74	34,509	47,64
30,9	17,264	32,51	39,169	47,90	25,02	31,48	37,691	17,52	34,706	47,24
Febbr. 9,9	17,471	33,04	39,367	45,55	25,31	28,40	37,889	16,45	34,934	46,82
19,9	17,701	33,43	39,598	43,53	25,68	25,69	38,111	15,59	35,188	46,36
Marzo 1,9	17,952	33,64	39,856	41,92	26,13	23,45	38,354	14,98	35,464	45,85
11,8	18,219	33,64	40,137	40,79	26,63	21,76	38,614	14,66	35,757	45,29
21,8	18,498	33,42	40,432	40,19	27,17	20,69	38,887	14,66	36,064	44,68
31,8	18,787	32,97	40,745	40,14	27,74	20,28	39,169	14,98	36,381	44,01
Aprile 10,7	19,081	32,30	41,060	40,64	28,32	20,54	39,457	15,62	36,705	43,31
20,7	19,377	31,44	41,375	41,67	28,89	21,44	39,747	16,56	37,030	42,59
30,7	19,669	30,41	41,684	43,18	29,43	22,95	40,034	17,76	37,352	41,87
Maggio 10,7	19,953	29,25	41,980	45,13	29,94	25,01	40,312	19,18	37,666	41,19
20,6	20,224	28,01	42,256	47,44	30,39	27,55	40,576	20,77	37,966	40,56
30,6	20,476	26,72	42,506	50,04	30,78	30,48	40,821	22,46	38,245	40,01
Giugno 9,6	20,703	25,44	42,724	52,84	31,09	33,72	41,041	24,22	38,498	39,57
19,6	20,900	24,20	42,905	55,77	31,32	37,17	41,231	25,98	38,719	39,25
29,5	21,061	23,03	43,044	58,75	31,46	40,74	41,386	27,70	38,902	39,05
Luglio 9,5	21,184	21,96	43,137	61,69	31,51	44,32	41,502	29,34	39,042	38,99
19,5	21,264	21,01	43,183	64,53	31,46	47,84	41,576	30,86	39,135	39,05
29,5	21,300	20,20	43,181	67,20	31,32	51,22	41,606	32,24	39,180	39,23
Agosto 8,4	21,292	19,53	43,131	69,66	31,10	54,37	41,594	33,44	39,178	39,49
18,4	21,241	19,00	43,037	71,84	30,79	57,24	41,540	34,46	39,129	39,82
28,4	21,152	18,61	42,901	73,71	30,41	59,76	41,447	35,28	39,036	40,19
Sett. 7,3	21,029	18,35	42,730	75,24	29,96	61,88	41,323	35,91	38,905	40,56
17,3	20,880	18,21	42,532	76,39	29,46	63,54	41,172	36,34	38,745	40,90
27,3	20,712	18,17	42,314	77,14	28,93	64,72	41,003	36,57	38,564	41,19
Ottobre 7,3	20,536	18,22	42,087	77,48	28,38	65,40	40,825	36,61	38,372	41,41
17,2	20,361	18,37	41,860	77,39	27,83	65,53	40,648	36,46	38,181	41,54
27,2	20,197	18,62	41,643	76,88	27,28	65,11	40,482	36,12	38,001	41,57
Nov. 6,2	20,053	18,95	41,445	75,95	26,76	64,15	40,336	35,60	37,844	41,51
16,2	19,937	19,36	41,276	74,61	26,29	62,65	40,216	34,89	37,718	41,36
26,1	19,856	19,85	41,143	72,88	25,88	60,64	40,130	34,01	37,629	41,14
Dic. 6,1	19,815	20,43	41,050	70,81	25,54	58,17	40,082	32,97	37,584	40,87
16,1	19,815	21,07	41,002	68,45	25,28	55,30	40,075	31,80	37,585	40,56
26,0	19,857	21,78	41,001	65,87	25,12	52,13	40,109	30,53	37,633	40,23
36,0	19,940	22,51	41,046	63,16	25,06	48,73	40,183	29,19	37,725	39,89
Posizione media	$19^h.8^m.17^s,103$	$-8^\circ.4'.33'',84$	$19^h.8^m.39^s,570$	$+31^\circ.8'.50'',50$	$19^h.9^m.27^s,793$	$+65^\circ.50'.34'',42$	$19^h.9^m.37^s,609$	$+2^\circ.9'.17'',46$	$19^h.10^m.34^s,507$	$-25^\circ.23'.51'',07$

Giorno del mese	159 (Bode) Lyrae gr. : 6,7		β^1 Sagittarii gr. : 4,2		31 *b* Aquilae gr. : 5,2		59 (Gould) Telescopii gr. : 5,6		21 (Bode) Vulpeculae gr. : 6,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	19.16	40.12	19.16	44.36	19.21	11.46	19.21	54.28	19.22	24.45
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	14,537	43,53	48,569	42,44	6,076	16,87	17,102	75,77	4,014	62,35
11,0	14,591	40,52	48,703	40,87	6,159	15,07	17,243	73,64	4,082	59,90
21,0	14,697	37,51	48,890	39,30	6,280	13,29	17,449	71,50	4,191	57,46
30,9	14,851	34,62	49,123	37,76	6,435	11,60	17,714	69,42	4,338	55,12
Febbr. 9,9	15,048	31,97	49,396	36,28	6,620	10,09	18,031	67,43	4,520	52,98
19,9	15,284	29,65	49,704	34,88	6,832	8,82	18,392	65,58	4,733	51,13
Marzo 1,9	15,555	27,76	50,041	33,58	7,067	7,86	18,791	63,89	4,973	49,66
11,8	15,854	26,38	50,402	32,39	7,322	7,25	19,220	62,38	5,236	48,62
21,8	16,174	25,57	50,782	31,32	7,593	7,03	19,673	61,09	5,516	48,06
31,8	16,510	25,35	51,175	30,40	7,876	7,22	20,144	60,03	5,810	48,01
Aprile 10,8	16,853	25,73	51,576	29,64	8,166	7,82	20,626	59,21	6,112	48,46
20,7	17,196	26,69	51,980	29,05	8,459	8,80	21,110	58,67	6,416	49,40
30,7	17,533	28,19	52,381	28,65	8,750	10,13	21,590	58,40	6,718	50,79
Maggio 10,7	17,855	30,18	52,771	28,45	9,034	11,77	22,058	58,41	7,010	52,58
20,6	18,154	32,58	53,144	28,47	9,304	13,65	22,503	58,72	7,286	54,71
30,6	18,424	35,32	53,491	28,71	9,555	15,71	22,918	59,31	7,541	57,11
Giugno 9,6	18,658	38,31	53,806	29,16	9,782	17,90	23,293	60,17	7,767	59,70
19,6	18,851	41,46	54,080	29,82	9,978	20,14	23,619	61,28	7,960	62,40
29,5	18,996	44,71	54,307	30,68	10,138	22,38	23,888	62,62	8,115	65,15
Luglio 9,5	19,091	47,95	54,481	31,70	10,258	24,55	24,093	64,14	8,227	67,86
19,5	19,134	51,10	54,597	32,84	10,337	26,62	24,228	65,79	8,294	70,48
29,5	19,123	54,10	54,653	34,08	10,372	28,53	24,290	67,53	8,314	72,95
Agosto 8,4	19,060	56,88	54,649	35,35	10,363	30,26	24,279	69,28	8,288	75,22
18,4	18,947	59,38	54,585	36,61	10,311	31,77	24,197	70,98	8,218	77,24
28,4	18,789	61,56	54,466	37,80	10,221	33,04	24,048	72,56	8,108	78,98
Sett. 7,3	18,593	63,37	54,299	38,86	10,097	34,06	23,840	73,96	7,962	80,40
17,3	18,365	64,78	54,094	39,74	9,945	34,82	23,583	75,10	7,787	81,48
27,3	18,115	65,75	53,860	40,40	9,773	35,30	23,291	75,94	7,592	82,21
Ottobre 7,3	17,853	66,27	53,611	40,80	9,592	35,51	22,978	76,44	7,386	82,57
17,2	17,589	66,31	53,361	40,92	9,409	35,44	22,661	76,56	7,178	82,55
27,2	17,333	65,87	53,122	40,74	9,234	35,09	22,357	76,29	6,978	82,14
Nov. 6,2	17,097	64,96	52,909	40,26	9,077	34,47	22,081	75,64	6,796	81,35
16,2	16,889	63,59	52,733	39,52	8,945	33,58	21,847	74,63	6,638	80,20
26,1	16,717	61,78	52,602	38,53	8,844	32,44	21,668	73,29	6,512	78,69
Dic. 6,1	16,589	59,57	52,525	37,34	8,780	31,08	21,552	71,67	6,424	76,87
16,1	16,508	57,02	52,506	35,99	8,756	29,52	21,505	69,84	6,378	74,79
26,0	16,478	54,22	52,545	34,53	8,772	27,82	21,529	67,84	6,374	72,50
36,0	16,499	51,25	52,642	33,00	8,828	26,02	21,624	65,76	6,414	70,06
Posizione media	$19^h.16^m.15^s,552$ $+40°.12'.37'',00$		$19^h.16^m.49^s,069$ $-44°.36'.44'',33$		$19^h.21^m.6^s,476$ $+11°,46'.11'',99$		$19^h.21^m.17^s,883$ $-54°.29'.17'',24$		$19^h.22^m.4^s,605$ $+24°.45'.56'',47$	

Giorno del mese	4 Cygni gr. : 5,2		6 α Vulpeculæ gr. : 4,6		36 e Aquilæ gr. : 5,2		8 Cygni gr. : 4,9		38 μ Aquilæ gr. : 4,7	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	19.23	36.9	19.25	24.29	19,26	2.57	19.28	34.16	19.30	7.12
	s	"	s	"	s	"	s	"	s	"
Genn. 1,0	13,232	23,28	19,497	65,83	25,376	27,48	44,871	54,73	7,615	26,62
11,0	13,286	20,42	19,563	63,42	25,465	28,42	44,921	51,95	7,692	25,06
21,0	13,386	17,55	19,669	61,01	25,590	29,36	45,016	49,16	7,806	23,53
30,9	13,531	14,79	19,813	58,70	25,747	30,24	45,155	46,46	7,953	22,08
Febbr. 9,9	13,717	12,24	19,992	56,58	25,933	30,99	45,334	43,97	8,131	20,78
19,9	13,940	10,02	20,202	54,75	26,145	31,57	45,549	41,79	8,335	19,71
Marzo 1,9	14,196	8,20	20,439	53,29	26,379	31,94	45,797	40,00	8,563	18,91
11,8	14,478	6,87	20,699	52,26	26,631	32,07	46,071	38,69	8,811	18,43
21,8	14,782	6,08	20,978	51,71	26,899	31,92	46,367	37,90	9,076	18,30
31,8	15,102	5,86	21,271	51,66	27,180	31,49	46,680	37,67	9,354	18,54
Aprile 10,8	15,431	6,22	21,572	52,11	27,468	30,80	47,002	38,00	9,640	19,14
20,7	15,762	7,14	21,876	53,05	27,761	29,86	47,328	38,89	9,931	20,09
30,7	16,088	8,58	22,178	54,44	28,053	28,71	47,651	40,29	10,222	21,35
Maggio 10,7	16,402	10,50	22,472	56,23	28,340	27,37	47,963	42,16	10,508	22,88
20,6	16,697	12,82	22,750	58,36	28,616	25,91	48,258	44,43	10,782	24,63
30,6	16,966	15,46	23,007	60,76	28,874	24,36	48,529	47,02	11,038	26,53
Giugno 9,6	17,202	18,36	23,236	63,35	29,110	22,79	48,769	49,86	11,271	28,53
19,6	17,399	21,41	23,432	66,05	29,317	21,23	48,971	52,86	11,475	30,56
29,5	17,553	24,54	23,590	68,81	29,490	19,72	49,131	55,94	11,645	32,58
Luglio 9,5	17,660	27,68	23,706	71,54	29,625	18,32	49,245	59,02	11,776	34,53
19,5	17,717	30,73	23,776	74,17	29,718	17,04	49,310	62,03	11,866	36,37
29,5	17,722	33,64	23,800	76,66	29,767	15,90	49,324	64,90	11,912	38,06
Agosto 8,4	17,677	36,34	23,778	78,94	29,772	14,92	49,289	67,57	11,914	39,57
18,4	17,584	38,78	23,712	80,98	29,734	14,12	49,207	69,98	11,873	40,88
28,4	17,447	40,90	23,605	82,74	29,656	13,49	49,080	72,09	11,793	41,97
Sett. 7,3	17,271	42,68	23,462	84,19	29,544	13,02	48,915	73,86	11,678	42,83
17,3	17,065	44,06	23,290	85,30	29,403	12,72	48,719	75,25	11,534	43,46
27,3	16,836	45,03	23,097	86,06	29,241	12,58	48,500	76,24	11,370	43,85
Ottobre 7,3	16,594	45,57	22,893	86,45	29,069	12,58	48,267	76,80	11,194	44,00
17,2	16,350	45,66	22,686	86,46	28,895	12,73	48,031	76,93	11,016	43,91
27,2	16,113	45,29	22,486	86,10	28,729	13,01	47,801	76,61	10,845	43,59
Nov. 6,2	15,893	44,47	22,303	85,36	28,580	13,43	47,588	75,84	10,689	43,04
16,2	15,699	43,20	22,145	84,24	28,455	13,97	47,400	74,65	10,557	42,26
26,1	15,540	41,51	22,019	82,78	28,362	14,64	47,244	73,04	10,456	41,28
Dic. 6,1	15,421	39,44	21,930	81,01	28,305	15,42	47,127	71,05	10,390	40,10
16,1	15,346	37,04	21,881	78,97	28,287	16,29	47,053	68,74	10,362	38,75
26,0	15,319	34,39	21,875	76,71	28,310	17,24	47,024	66,17	10,374	37,28
36,6	15,341	31,56	21,911	74,32	28,372	18,23	47,043	63,43	10,425	35,73
Posizione media	19h.23m.14s,096 +36°.9'.16''.49		19h.25m.20s,077 +24°.29'.59'',78		19h.26m.25s,654 −2°.57'.31'',38		19h.28m.45s,666 +34°.16'.47'',68		19h.30m.7s,955 +7°.12'.21'',76	

Giorno del mese	4 s Sagittæ gr. : 5,7		44 σ Aquilæ gr. : 5,2		54 e' Sagittarii gr. : 5,5		14 Cygni gr. : 5,4		6 β Sagittæ gr. : 4,5	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	19.33	16.16	19.35	5.12	19.36	16.28	19.36	42.37	19.37	17.17
	s	"	s	"	s	"	s	"	s	"
Genn. 1,0	36,963	53,55	11,470	48,94	4,797	45,38	47,231	57,39	24,194	20,70
11,0	37,029	51,54	11,544	47,51	4,885	45,50	47,258	54,39	24,255	18,66
21,0	37,133	49,54	11,654	46,11	5,011	45,59	47,336	51,35	24,354	16,62
31,0	37,272	47,63	11,797	44,78	5,171	45,63	47,464	48,38	24,489	14,66
Febbr. 9,9	37,443	45,89	11,971	43,60	5,361	45,59	47,640	45,61	24,656	12,87
19,9	37,643	44,40	12,171	42,63	5,578	45,44	47,859	43,15	24,853	11,33
Marzo 1,9	37,869	43,23	12,395	41,92	5,818	45,17	48,117	41,09	25,077	10,12
11,8	38,118	42,44	12,640	41,52	6,079	44,76	48,408	39,52	25,323	9,28
21,8	38,384	42,07	12,902	41,45	6,356	44,20	48,726	38,50	25,588	8,87
31,8	38,664	42,13	13,177	41,73	6,647	43,50	49,065	38,07	25,869	8,91
Aprile 10,8	38,955	42,64	13,462	42,36	6,948	42,67	49,416	38,25	26,160	9,39
20,7	39,251	43,57	13,753	43,31	7,255	41,73	49,772	39,02	26,456	10,30
30,7	39,546	44,89	14,045	44,56	7,564	40,70	50,125	40,35	26,753	11,62
Maggio 10,7	39,835	46,56	14,332	46,06	7,868	39,62	50,467	42,20	27,044	13,29
20,7	40,112	48,51	14,608	47,76	8,163	38,53	50,789	44,50	27,323	15,26
30,7	40,370	50,69	14,867	49,61	8,442	37,46	51,084	47,17	27,585	17,45
Giugno 9,6	40,604	53,02	15,104	51,54	8,699	36,45	51,343	50,13	27,822	19,81
19,6	40,808	55,43	15,313	53,50	8,927	35,53	51,561	53,30	28,029	22,27
29,5	40,977	57,87	15,488	55,44	9,121	34,73	51,732	56,59	28,200	24,75
Luglio 9,5	41,106	60,27	15,625	57,30	9,276	34,06	51,852	59,91	28,332	27,20
19,5	41,192	62,57	15,720	59,05	9,387	33,54	51,917	63,19	28,421	29,55
29,5	41,233	64,72	15,771	60,66	9,453	33,16	51,927	66,35	28,465	31,76
Agosto 8,4	41,230	66,69	15,779	62,08	9,473	32,92	51,882	69,32	28,464	33,79
18,4	41,183	68,43	15,744	63,31	9,447	32,81	51,784	72,03	28,419	35,59
28,4	41,095	69,92	15,669	64,33	9,378	32,80	51,638	74,44	28,333	37,14
Sett. 7,4	40,971	71,14	15,558	65,14	9,272	32,89	51,449	76,49	28,211	38,41
17,3	40,820	72,07	15,418	65,72	9,134	33,05	51,225	78,15	28,060	39,39
27,3	40,647	72,70	15,257	66,08	8,973	33,24	50,975	79,38	27,887	40,06
Ottobre 7,3	40,461	73,02	15,084	66,21	8,798	33,46	50,708	80,15	27,700	40,41
17,2	40,271	73,02	14,907	66,13	8,619	33,69	50,435	80,44	27,510	40,44
27,2	40,088	72,71	14,737	65,83	8,447	33,91	50,166	80,25	27,325	40,15
Nov. 6,2	39,920	72,09	14,581	65,32	8,292	34,12	49,913	79,57	27,155	39,54
16,2	39,776	71,16	14,449	64,61	8,161	34,32	49,684	78,40	27,008	38,62
26,1	39,661	69,95	14,347	63,70	8,062	34,51	49,488	76,77	26,889	37,40
Dic. 6,1	36,581	68,47	14,279	62,62	8,000	34,70	49,333	74,71	26,805	35,91
16,1	39,539	66,77	14,248	61,38	7,979	34,88	49,223	72,28	26,759	34,19
26,1	39,538	64,90	14,257	60,03	7,999	35,05	49,162	69,55	26,753	32,29
36,0	39,577	62,91	14,305	58,61	8,060	35,21	49,154	66,61	26,787	30,26
Posizione media	19h.33m.37s,396 +16°.16'47'',76		19h.35m.11s,786 +5°.12'44'',10		19h.36m.5s,038 −16°.28'.48'',34		19h.36m.48s,275 +42°.37'.49'',05		19h.37m.24s,632 +17°.17'.14'',65	

Giorno del mese	55 e^2 Sagittarii gr. : 5,1		10 Vulpeculae gr. : 5,5		56 *f* Sagittarii gr. : 5,1		ι Sagittarii gr. : 4,2		61 φ Aquilae gr. : 5,3	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	19.37	16.18	19.40	25.34	19.41	19.57	19.49	42. 4	19.52	11.12
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	52,968	50,87	20,246	44,65	38,080	22,68	40,197	55,41	23,698	34,02
11,0	53,055	51,00	20,295	42,25	38,164	22,58	40,283	53,94	23,750	32,33
21,0	53,179	51,10	20,385	39,83	38,287	22,44	40,419	52,40	23,839	30,64
31,0	53,337	51,14	20,513	37,49	38,444	22,24	40,601	50,83	23,962	29,02
Febbr. 9,9	53,525	51,10	20,678	35,33	38,633	21,97	40,824	49,26	24,117	27,55
19,9	53,740	50,95	20,875	33,44	38,849	21,61	41,083	47,71	24,301	26,30
Marzo 1,9	53,979	50,67	21,102	31,90	39,090	21,16	41,375	46,21	24,511	25,33
11,9	54,238	50,26	21,354	30,78	39,352	20,59	41,694	44,76	24,745	24,70
21,8	54,514	49,70	21,627	30,14	39,631	19,90	42,037	43,40	25,000	24,44
31,8	54,804	48,99	21,917	30,00	39,925	19,10	42,399	42,14	25,270	24,58
Aprile 10,8	55,104	48,15	22,218	30,37	40,231	18,21	42,776	41,00	25,554	25,11
20,7	55,411	47,19	22,525	31,23	40,543	17,24	43,162	40,01	25,846	26,02
30,7	55,720	46,15	22,833	32,56	40,858	16,22	43,552	39,19	26,141	27,29
Maggio 10,7	56,025	45,06	23,134	34,30	41,170	15,18	43,938	38,57	26,433	28,86
20,7	56,320	43,95	23,422	36,40	41,473	14,17	44,313	38,16	26,717	30,69
30,7	56,599	42,87	23,691	38,78	41,760	13,21	44,671	37,98	26,986	32,72
Giugno 9,6	56,857	41,84	23,933	41,38	42,025	12,33	45,002	38,04	27,233	34,88
19,6	57,086	40,91	24,143	44,12	42,262	11,57	45,298	38,34	27,453	37,11
29,6	57,282	40,09	24,315	46,93	42,465	10,93	45,553	38,86	27,640	39,35
Luglio 9,5	57,438	39,40	24,446	49,72	42,628	10,44	45,760	39,60	27,788	41,55
19,5	57,551	38,86	24,532	52,44	42,747	10,11	45,912	40,52	27,896	43,65
29,5	57,619	38,47	24,571	55,03	42,820	9,93	46,007	41,59	27,960	45,61
Agosto 8,4	57,640	38,22	24,562	57,43	42,845	9,88	46,042	42,77	27,978	47,39
18,4	57,615	38,10	24,508	59,59	42,824	9,96	46,019	43,99	27,953	48,97
28,4	57,548	38,09	24,412	61,48	42,758	10,13	45,940	45,22	27,887	50,31
Sett. 7,4	57,443	38,17	24,278	63,06	42,653	10,37	45,810	46,39	27,783	51,41
17,3	57,306	38,32	24,114	64,31	42,515	10,66	45,637	47,43	27,649	52,25
27,3	57,145	38,52	23,926	65,20	42,353	10,96	45,431	48,31	27,491	52,83
Ottobre 7,3	56,971	38,74	23,724	65,72	42,176	11,25	45,203	48,98	27,318	53,14
17,2	56,793	38,96	23,517	65,86	41,994	11,52	44,967	49,39	27,139	53,17
27,2	56,621	39,19	23,315	65,62	41,818	11,75	44,734	49,54	26,963	52,94
Nov. 6,2	56,465	39,41	23,127	64,99	41,657	11,92	44,518	49,40	26,800	52,44
16,2	56,334	39,62	22,961	63,98	41,521	12,04	44,331	48,98	26,656	51,68
26,1	56,234	39,82	22,825	62,61	41,417	12,12	44,181	48,30	26,539	50,68
Dic. 6,1	56,171	40,01	22,724	60,91	41,349	12,16	44,076	47,39	26,455	49,46
16,1	56,148	40,20	22,661	58,92	41,322	12,16	44,022	46,27	26,406	48,04
26,1	56,166	40,38	22,639	56,71	41,337	12,13	44,020	45,00	26,394	46,47
36,0	56,225	40,54	22,659	54,34	41,394	12,08	44,072	43,60	26,419	44,79
Posizione media	$19^h.37^m.53^s,208$	$-16°.18'.53'',84$	$19^h.40^m.20^s,811$	$+25°.34'.37'',46$	$19^h.41^m.38^s,321$	$-19°.57'.25'',32$	$19^h.49^m.40^s,635$	$-42°.4'.56'',17$	$19^h.52^m.24^s,032$	$+11°.12'.28'',00$

Giorno del mese	21 η Cygni gr.: 4,0		61 g Sagittarii gr.: 5,1		15 Vulpeculae gr.: 4,7		63 τ Aquilae gr.: 5,7		279 (Gould) Sagittarii gr.: 5,3	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	19.53	34.51	19.53	15.42	19.57	27.31	20. 0	7. 2	20. 5	36.18
	s	″	s	″	s	″	s	″	s	″
Genn. 1,0	15,283	71,03	21,238	23,29	45,290	52,14	10,670	60,49	52,475	19,92
11,0	15,305	68,32	21,308	23,43	45,319	49,73	10,719	59,04	52,540	18,82
21,0	15,372	65,57	21,415	23,52	45,389	47,27	10,803	57,60	52,650	17,63
31,0	15,482	62,87	21,556	23,55	45,498	44,87	10,921	56,23	52,801	16,38
Febbr. 9,9	15,634	60,33	21,729	23,48	45,645	42,62	11,070	55,00	52,991	15,09
19,9	15,825	58,06	21,929	23,30	45,826	40,63	11,249	53,97	53,215	13,77
Marzo 1,9	16,051	56,16	22,154	22,99	46,039	38,97	11,453	53,19	53,470	12,44
11,9	16,308	54,70	22,402	22,53	46,281	37,73	11,681	52,72	53,753	11,13
21,8	16,592	53,74	22,668	21,91	46,548	36,95	11,930	52,60	54,060	9,80
31,8	16,897	53,33	22,951	21,14	46,834	36,67	12,196	52,83	54,388	8,53
Aprile 10,8	17,217	53,48	23,247	20,22	47,136	36,91	12,476	53,42	54,732	7,31
20,8	17,546	54,18	23,551	19,19	47,446	37,67	12,766	54,35	55,088	6,19
30,7	17,876	55,41	23,860	18,06	47,760	38,90	13,060	55,60	55,451	5,18
Maggio 10,7	18,200	57,13	24,167	16,87	48,071	40,57	13,354	57,13	55,814	4,32
20,7	18,511	59,27	24,467	15,67	48,370	42,62	13,640	58,88	56,171	3,63
30,6	18,801	61,76	24,754	14,49	48,652	44,99	13,913	60,79	56,514	3,14
Giugno 9,6	19,063	64,53	25,021	13,37	48,910	47,60	14,166	62,82	56,835	2,85
19,6	19,290	67,50	25,261	12,33	49,136	50,38	14,393	64,90	57,127	2,79
29,6	19,477	70,59	25,468	11,42	49,326	53,25	14,588	66,97	57,382	2,96
Luglio 9,5	19,618	73,71	25,637	10,65	49,474	56,13	14,746	68,98	57,594	3,34
19,5	19,711	76,79	25,764	10,03	49,577	58,96	14,863	70,89	57,756	3,93
29,5	19,753	79,77	25,846	9,57	49,632	61,68	14,937	72,66	57,866	4,69
Agosto 8,5	19,744	82,58	25,882	9,27	49,639	64,23	14,966	74,25	57,921	5,59
18,4	19,686	85,15	25,871	9,11	49,599	66,55	14,951	75,64	57,920	6,60
28,4	19,581	87,44	25,816	9,08	49,515	68,61	14,895	76,81	57,867	7,65
Sett. 7,4	19,435	89,41	25,722	9,16	49,392	70,37	14,801	77,76	57,765	8,71
17,3	19,255	91,02	25,595	9,32	49,235	71,79	14,675	78,47	57,621	9,71
27,3	19,048	92,24	25,442	9,54	49,053	72,86	14,525	78,95	57,444	10,61
Ottobre 7,3	18,824	93,04	25,273	9,80	48,853	73,55	14,359	79,19	57,244	11,36
17,3	18,592	93,41	25,098	10,07	48,646	73,85	14,185	79,19	57,033	11,92
27,2	18,361	93,34	24,925	10,35	48,440	73,75	14,014	78,97	56,823	12,27
Nov. 6,2	18,142	92,81	24,766	10,62	48,245	73,26	13,854	78,52	56,625	12,39
16,2	17,943	91,84	24,629	10,88	48,070	72,37	13,713	77,85	56,450	12,28
26,2	17,773	90,44	24,521	11,13	47,920	71,10	13,597	76,98	56,307	11,95
Dic. 6,1	17,637	88,65	24,448	11,36	47,803	69,48	13,512	75,91	56,203	11,41
16,1	17,541	86,51	24,412	11,58	47,723	67,55	13,462	74,68	56,143	10,69
26,1	17,487	84,08	24,416	11,79	47,682	65,37	13,448	73,33	56,129	9,80
36,0	17,478	81,44	24,459	11,97	47,683	63,00	13,471	71,88	56,163	8,79
Posizione media	19h.53m.16s,016 +34°.52′.2″,24		19h.53m.21s,456 −15°.42′.26″,26		19h.57m.45s,841 +27°.31′.43″,92		20h.0m.10s,950 +7°.2′.54″,74		20h.5m.52s,806 −36°.18′.20″,58	

Giorno del mese	28 b^2 Cygni gr. : 4,8		20 Vulpeculæ gr. : 5,9		66 Aquilæ gr. : 5,6		68 Draconis gr. : 5,7		67 ρ Aquilæ gr. : 5,0	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	20. 6	36.35	20. 8	26.14	20. 9	1.14	20.10	61.49	20.10	14.56
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	24,355	71,10	36,359	18,29	2,720	65,76	13,43	71,58	31,398	66,60
11,0	24,359	68,41	36,379	15,97	2,767	66,72	13,33	68,45	31,429	64,78
21,0	24,409	65,64	36,438	13,61	2,848	67,66	13,31	65,17	31,947	62,95
31,0	24,503	62,90	36,536	11,28	2,963	68,53	13,38	61,85	31,600	61,18
Febbr. 10,0	24,641	60,29	36,671	9,09	3,108	69,28	13,35	58,62	31,736	59,54
19,9	24,819	57,93	36,842	7,14	3,282	69,85	13,76	55,62	31,903	58,11
Marzo 1,9	25,035	55,92	37,044	5,51	3,481	70,21	14,06	52,97	32,099	56,97
11,9	25,286	54,34	37,276	4,27	3,705	70,32	14,43	50,76	32,322	56,17
21,8	25,565	53,25	37,533	3,48	3,950	70,15	14,85	49,09	32,567	55,75
31,8	25,869	52,71	37,812	3,18	4,213	69,69	15,31	48,01	32,832	55,75
Aprile 10,8	26,191	52,73	38,108	3,38	4,491	68,95	15,81	47,57	33,114	56,18
20,8	26,524	53,32	38,416	4,09	4,780	67,94	16,32	47,78	33,407	57,02
30,7	26,861	54,44	38,728	5,27	5,076	66,69	16,84	48,62	33,705	58,24
Maggio 10,7	27,195	56,07	39,039	6,88	5,372	65,25	17,34	50,06	34,003	59,81
20,7	27,517	58,14	39,342	8,87	5,664	63,65	17,82	52,05	34,296	61,68
30,7	27,820	60,59	39,629	11,18	5,944	61,95	18,26	54,52	34,575	63,78
Giugno 9,6	28,096	63,34	39,893	13,73	6,206	60,20	18,65	57,40	34,835	66,05
19,6	28,338	66,32	40,128	16,46	6,443	58,45	18,97	60,60	35,068	68,43
29,6	28,540	69,43	40,328	19,28	6,649	56,74	19,23	64,03	35,270	70,85
Luglio 9,5	28,696	72,61	40,487	22,12	6,820	55,13	19,41	67,61	35,434	73,24
19,5	28,803	75,77	40,602	24,92	6,951	53,65	19,51	71,25	35,556	75,56
29,5	28,859	78,84	40,669	27,62	7,038	52,32	19,53	74,87	35,634	77,76
Agosto 8,5	28,862	81,76	40,689	30,15	7,081	51,16	19,46	78,37	35,667	79,78
18,4	28,814	84,47	40,662	32,47	7,079	50,18	19,32	81,69	35,655	81,59
28,4	28,720	86,90	40,591	34,53	7,035	49,40	19,10	84,76	35,601	83,17
Sett. 7,4	28,582	89,02	40,480	36,30	6,952	48,82	18,82	87,52	35,508	84,50
17,4	28,407	90,79	40,334	37,75	6,837	48,42	18,48	89,90	35,381	85,55
27,3	28,203	92,17	40,161	38,86	6,696	48,19	18,09	91,85	35,229	86,32
Ottobre 7,3	27,979	93,13	39,970	39,60	6,537	48,14	17,67	93,34	35,060	86,79
17,3	27,745	93,66	39,770	39,90	6,370	48,25	17,23	94,31	34,881	86,96
27,2	27,509	93,73	39,569	39,94	6,203	48,51	16,77	94,75	34,703	86,84
Nov. 6,2	27,283	93,34	39,377	39,52	6,046	48,91	16,33	94,64	34,533	86,42
16,2	27,075	92,50	39,202	38,72	5,908	49,44	15,90	93,97	34,380	85,70
26,2	26,892	91,21	39,052	37,55	5,794	50,10	15,51	92,74	34,251	84,71
Dic. 6,1	26,742	89,50	38,932	36,04	5,710	50,87	15,17	90,98	34,152	83,47
16,1	26,630	87,43	38,847	34,22	5,659	51,74	14,88	88,73	34,086	82,00
26,1	26,559	85,05	38,799	32,14	5,644	52,68	14,65	86,07	34,055	80,34
36,1	26,533	82,43	38,792	29,88	5,666	53,66	14,50	83,07	34,061	78,55
Posizione media	$20^h.6^m.25^s,084$ $+36°.36'.1'',24$		$20^h.8^m.36^s,849$ $+26°.14'.9'',64$		$20^h.9^m.2^s,931$ $-1°.15'.10'',59$		$20^h.10^m.15^s,521$ $+61°.49'58'',69$		$20^h.10^m.31^s,723$ $+14°.56'.59'',43$	

Giorno del mese	30 o^1 Cygni gr. : 5,0		5 α^1 Capricorni gr. : 4,6		4 Capricorni gr. : 6,0		176 (Bode) Cygni gr. : 6,1		10 π Capricorni gr. : 5,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	20.10	46,34	20.13	12.45	20.13	22. 3	20.17	39. 8	20.22	18.28
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	44,231	22,93	9,394	30,84	15,793	38,30	18,284	60,41	41,018	39,42
11,0	44,205	20,00	9,443	31,13	15,846	38,02	18,271	57,69	41,060	39,35
21,0	44,233	16,96	9,528	31,36	15,937	37,67	18,304	54,88	41,138	39,20
31,0	44,315	13,91	9,646	31,51	16,063	37,23	18,384	52,06	41,251	38,97
Febbr. 10,0	44,450	10,98	9,796	31,55	16,222	36,71	18,509	49,36	41,395	38,63
9,9	44,635	8,30	9,975	31,46	16,412	36,09	18,667	46,89	41,570	38,18
Marzo 1,9	44,866	5,96	10,180	31,22	16,629	35,37	18,886	44,76	41,773	37,60
11,9	45,140	4,06	10,409	30,80	16,871	34,54	19,132	43,04	42,002	36,88
21,8	45,451	2,69	10,659	30,20	17,135	33,60	19,410	41,81	42,253	36,02
31,8	45,791	1,89	10,929	29,41	17,419	32,56	19,716	41,13	42,525	35,03
Aprile 10,8	46,153	1,69	11,215	28,44	17,719	31,44	20,042	41,02	42,814	33,91
20,8	46,528	2,10	11,512	27,33	18,031	30,26	20,383	41,48	43,117	32,70
30,7	46,907	3,11	11,816	26,09	18,351	29,05	20,730	42,49	43,429	31,42
Maggio 10,7	47,282	4,67	12,123	24,76	18,673	27,85	21,075	44,03	43,745	30,12
20,7	47,642	6,72	12,425	23,39	18,991	26,69	21,410	46,03	44,058	28,82
30,7	47,979	9,20	12,717	22,01	19,298	25,61	21,727	48,44	44,362	27,57
Giugno 9,6	48,283	12,04	12,991	20,67	19,587	24,64	22,018	51,18	44,649	26,41
19,6	48,547	15,06	13,241	19,42	19,851	23,81	22,274	54,16	44,913	25,36
29,6	48,763	18,47	13,461	18,27	20,084	23,14	22,489	57,31	45,147	24,46
Luglio 9,5	48,928	21,87	13,645	17,26	20,279	22,65	22,658	60,55	45,345	23,74
19,5	49,036	25,29	13,788	16,41	20,430	22,34	22,777	63,80	45,501	23,19
29,5	49,085	28,66	13,886	15,73	20,536	22,22	22,844	66,97	45,613	22,83
Agosto 8,5	49,075	31,89	13,938	15,23	20,593	22,26	22,857	70,01	45,677	22,64
18,4	49,008	34,92	13,945	14,89	20,601	22,44	22,817	72,85	45,693	22,62
28,4	48,886	37,68	13,907	14,71	20,563	22,75	22,728	75,44	45,664	22,75
Sett. 7,4	48,716	40,12	13,829	14,66	20,482	23,15	22,593	77,72	45,592	22,99
17,4	48,503	42,20	13,716	14,73	20,364	23,60	22,419	79,65	45,483	23,32
27,3	48,257	43,86	12,575	14,90	20,217	24,08	22,214	81,19	45,345	23,70
Ottobre 7,3	47,987	45,08	13,416	15,14	20,049	24,54	21,987	82,31	45,185	24,11
17,3	47,703	45,82	13,247	15,43	19,871	24,96	21,746	82,99	45,014	24,51
27,2	47,416	46,06	13,078	15,75	19,693	25,31	21,502	83,20	44,841	24,90
Nov. 6,2	47,136	45,79	12,919	16,09	19,525	25,59	21,265	82,94	44,677	25,24
16,2	46,874	45,01	12,778	16,45	19,376	25,79	21,044	82,21	44,529	25,53
26,2	46,639	43,73	12,662	16,81	19,254	25,89	20,847	81,02	44,405	25,76
Dic. 6,1	46,439	41,98	12,577	17,18	19,165	25,91	20,680	79,39	44,312	25,93
16,1	46,280	39,80	12,527	17,54	19,112	25,84	20,550	77,37	44,254	26,04
26,1	48,168	37,26	12,513	17,89	19,098	25,70	20,461	75,01	44,232	26,10
36,1	46,107	34,43	12,536	18,22	19,124	25,48	20,416	72,39	44,248	26,09
Posizione media	20h.10m.45s,283 +46°.34′.11″,56		20h.13m.9s,575 −12°.45′.34″,12		20h.13m.15s,989 −22°.3′.40″,36		20h.17m.19s.037 +39°.8′.49″,49		20h.22m.41s,188 −18°.28′.41″,85	

Giorno del mese	41 Cygni gr.: 4,1		42 Cygni gr.: 5,9		45 ω^2 Cygni gr.: 4,9		ϕ Pavonis gr.: 4,8		212 (Heis) Draconis gr.: 6,4	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	20.26	30. 5	20.26	36,10	20.27	48.40	20.28	60.50	20.30	72.15
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	4,648	61,02	14,407	71,73	31,950	56,05	51,94	82,31	18,66	41,65
11,0	4,644	58,64	14,391	69,15	31,896	53,17	51,96	79,85	18,38	38,66
21,0	4,680	56,17	14,419	66,46	31,896	50,15	52,04	77,24	18,24	35,44
31,0	4,757	53,71	14,490	63,76	31,953	47,08	52,20	74,55	18,22	32,10
Febbr. 10,0	4,873	51,37	14,605	61,18	32,065	44,09	52,43	71,85	18,34	28,79
19,9	5,026	49,24	14,761	58,80	32,230	41,31	52,73	69,18	18,59	25,62
Marzo 1,9	5,216	47,41	14,956	56,73	32,447	38,84	53,08	66,61	18,96	22,73
11,9	5,438	45,96	15,188	55,07	32,711	36,79	53,48	64,19	19,44	20,23
21,9	5,689	44,97	15,451	53,88	33,016	35,23	53,93	61,96	20,02	18,22
31,8	5,966	44,47	15,743	53,21	33,356	34,23	54,42	59,97	20,68	16,77
Aprile 10,8	6,264	44,49	16,057	53,09	33,723	33,83	54,94	58,24	21,40	15,94
20,8	6,577	45,04	16,386	53,53	34,108	34,05	55,48	56,81	22,15	15,74
30,7	6,898	46,08	16,723	54,51	34,501	34,86	56,04	55,72	22,91	16,18
Maggio 10,7	7,220	47,59	17,061	55,99	34,893	36,24	56,60	54,99	23,66	17,25
20,7	7,537	49,53	17,392	57,93	35,274	38,15	57,15	54,63	24,37	18,90
30,7	7,839	51,81	17,707	60,27	35,633	40,51	57,68	54,65	25,03	21,07
Giugno 9,6	8,120	54,38	17,998	62,92	35,961	43,26	58,19	55,06	25,61	23,70
19,6	8,373	57,16	18,258	65,82	36,250	46,32	58,65	55,84	26,10	26,70
29,6	8,590	60,08	18,480	68,89	36,492	49,60	59,05	56,96	26,49	30,01
Luglio 9,6	8,767	63,05	18,659	72,05	36,681	53,02	59,39	58,41	26,77	33,52
19,5	8,899	66,02	18,789	75,21	36,813	56,49	59,66	60,14	26,93	37,16
29,5	8,983	68,91	18,869	78,31	36,884	59,94	59,84	62,07	26,96	40,84
Agosto 8,5	9,018	71,65	18,897	81,28	36,893	63,28	59,93	64,15	26,88	44,48
18,4	9,004	74,20	18,874	84,07	36,843	66,45	59,94	66,30	26,67	47,99
28,4	8,944	76,50	18,802	86,60	36,736	69,38	59,86	68,45	26,35	51,31
Sett. 7,4	8,841	78,52	18,685	88,84	36,577	72,02	59,70	70,50	25,93	54,37
17,4	8,702	80,22	18,530	90,75	36,371	74,30	59,47	72,38	25,42	57,10
27,3	8,532	81,56	18,343	92,28	36,128	76,18	59,17	74,00	24,83	59,44
Ottobre 7,3	8,341	82,53	18,133	93,41	35,858	77,63	58,83	75,29	24,18	61,33
17,3	8,137	83,10	17,909	94,12	35,570	78,60	58,47	76,19	23,48	62,74
27,3	7,930	83,27	17,681	94,38	35,274	79,08	58,09	76,66	22,76	63,63
Nov. 6,2	7,728	83,02	17,458	94,18	34,981	79,04	57,71	76,67	22,03	63,95
16,2	7,540	82,36	17,248	93,53	34,702	78,47	57,36	76,21	21,32	63,70
26,2	7,373	81,29	17,060	92,44	34,447	77,39	57,06	75,29	20,64	62,87
Dic. 6,1	7,234	79,85	16,901	90,93	34,223	75,81	56,81	73,95	20,02	61 47
16,1	7,128	78,06	16,776	89,03	34,038	73,78	56,62	72,23	19,47	59,53
26,1	7,058	75,98	16,690	86,80	33,898	71,36	56,50	70,18	19,02	57,13
36,1	7,027	73,67	16,644	84,31	33,809	68,61	56,46	67,87	18,67	54,35
Posizione media	20h.26m.5s,142 +30°.5′.50″,87		20h.26m.15s,036 +36°.11′.0″,65		20h.27m.32s,996 +48°.40′.43″,16		20h.28m.52s,975 −60°.51′.20″,01		20h.30m.22s,240 +72°.15′.26″,10	

Giorno del mese	4 ζ Delphini gr. : 4,7		29 Vulpeculae gr. : 4,8		12 γ^2 Delphini gr. : 4,1		3 Aquarii gr. : 4,6		18 ω Capricorni gr. : 4,2	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	20.31	14.23	20.34	20.54	20.42	15.49	20.43	5.19	20.46	27.13
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	31,020	45,67	53,893	66,63	53,799	61,83	27,745	26,03	59,281	22,65
11,0	31,033	43,96	53,895	64,64	53,800	60,09	27,762	26,69	59,299	22,05
21,0	31,081	42,22	53,934	62,60	53,836	58,31	27,812	27,31	59,354	21,33
31,0	31,163	40,50	54,008	60,57	53,905	56,55	27,895	27,85	59,446	20,50
Febbr. 10,0	31,279	38,93	54,117	58,66	54,008	54,90	28,008	28,27	59,572	19,55
9,9	31,426	37,54	54,261	56,94	54,144	53,44	28,151	28,53	59,732	18,49
Marzo 1,9	31,603	36,41	54,436	55,50	54,311	52,23	28,323	28,60	59,922	17,33
11,9	31,809	35,61	54,642	54,40	54,508	51,35	28,522	28,45	60,142	16,08
21,9	32,040	35,18	54,876	53,71	54,732	50,83	28,746	28,06	60,390	14,74
31,8	32,294	35,15	55,134	53,45	54,980	50,72	28,992	27,42	60,662	13,34
Aprile 10,8	32,568	35,53	55,413	53,65	55,250	51,02	29,258	26,53	60,956	11,90
20,8	32,856	36,31	55,707	54,31	55,537	51,74	29,541	25,41	61,268	10,44
30,7	33,154	37,48	56,012	55,40	55,835	52,85	29,836	24,09	61,594	9,00
Maggio 10,7	33,456	39,00	56,320	56,90	56,139	54,33	30,138	22,60	61,928	7,62
20,7	33,755	40,82	56,626	58,75	56,441	56,13	30,440	20,99	62,264	6,33
30,7	34,044	42,87	56,921	60,90	56,735	58,18	30,735	19,31	62,593	5,17
Giugno 9,6	34,316	45,11	57,198	63,27	57,014	60,43	31,018	17,61	62,909	4,18
19,6	34,564	47,46	57,451	65,81	57,271	62,81	31,280	15,94	63,204	3,38
29,6	34,783	49,87	57,673	68,44	57,498	65,26	31,515	14,33	63,470	2,79
Luglio 9,6	34,966	52,26	57,858	71,10	57,690	67,71	31,717	12,84	63,701	2,42
19,5	35,108	54,59	58,001	73,71	57,843	70,11	31,881	11,49	63,890	2,29
29,5	35,207	56,80	58,100	76,23	57,953	72,41	32,002	10,31	64,032	2,37
Agosto 8,5	35,261	58,85	58,153	78,61	58,017	74,55	32,079	9,31	64,125	2,66
18,4	35,270	60,70	58,159	80,79	58,035	76,50	32,111	8,51	64,167	3,13
28,4	35,235	62,32	58,121	82,74	58,010	78,22	32,098	7,90	64,159	3,74
Sett. 7,4	35,160	63,70	58,042	84,42	57,944	79,70	32,045	7,48	64,104	4,46
17,4	35,051	64,81	57,927	85,81	57,842	80,91	31,955	7,24	64,007	5,23
27,3	34,913	65,64	57,782	86,90	57,710	81,83	31,835	7,16	63,875	6,01
Ottobre 7,3	34,754	66,19	57,617	87,66	57,556	82,47	31,693	7,22	63,717	6,76
17,3	34,584	66,44	57,438	88,09	57,388	82,80	31,537	7,41	63,541	7,44
27,3	34,410	66,41	57,255	88,17	57,216	82,84	31,377	7,71	63,359	8,01
Nov. 6,2	34,242	66,09	57,077	87,91	57,046	82,57	31,220	8,10	63,181	8,44
16,2	34,087	65,48	56,911	87,31	56,888	82,01	31,076	8,58	63,015	8,71
26,2	33,952	64,60	56,764	86,38	56,749	81,17	30,951	9,14	62,871	8,83
Dic. 6,1	33,843	63,47	56,643	85,14	56,633	80,06	30,851	9,75	62,755	8,79
16,1	33,764	62,11	56,552	83,62	56,545	78,72	30,780	10,41	62,671	8,58
26,1	33,718	60,57	56,494	81,87	56,489	77,17	30,741	11,10	62,624	8,23
36,1	33,707	58,89	56,471	79,94	56,466	75,47	30,734	11,79	62.615	7,74
Posizione media	20h.31m.31s,273 +14°.23′.37″,84		20h.34m.54s,206 +20°.54′.57″,55		20h.42m.54s,025 +15°.49′.53″,36		20h.43m.27s,854 −5°.19′.30″,56		20h.46m.59s,440 −27°.13′.23″,36	

Giorno del mese	6 μ Aquarii gr. : 4,8		7 Aquarii gr. : 5,7		γ Microscopii (1 P. A.) gr. : 4,7		59 f^1 Cygni gr. : 4,9		22 η Capricorni gr. : 4,9	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	20.48	9.16	20.52	10. 0	20.56	32.34	20.57	47.12	20.59	20.10
	s	"	s	"	s	"	s	"	s	"
Genn. 1,1	17,085	73,65	31,337	28,64	19,453	31,19	3,464	29,75	47,751	32,71
11,1	17,099	74,08	31,348	29,03	19,458	30,30	3,381	27,10	47,756	32,52
21,0	17,147	74,46	31,392	29,35	19,503	29,25	3,347	24,25	47,796	32,22
31,0	17,227	74,74	31,468	29,58	19,587	28,07	3,365	21,30	47,869	31,81
Febbr. 10,0	17,338	74,91	31,575	29,69	19,707	26,77	3,436	18,37	47,975	31,27
19,9	17,480	74,92	31,712	29,65	19,863	25,36	3,560	15,58	48,113	30,59
Marzo 1,9	17,649	74,76	31,878	29,43	20,052	23,87	3,736	13,05	48,281	29,77
11,9	17,846	74,39	32,072	29,02	20,273	22,31	3,961	10,88	48,478	28,80
21,9	18,069	73,81	32,292	28,40	20,524	20,70	4,231	9,16	48,703	27,70
31,8	18,315	73,01	32,536	27,56	20,802	19,07	4,540	7,95	48,953	26,47
Aprile 10,8	18,582	72,01	32,802	26,52	21,104	17,44	4,882	7,31	49,226	25,12
20,8	18,866	70,81	33,085	25,29	21,427	15,54	5,250	7,26	49,519	23,68
30,8	19,163	69,45	33,382	23,91	21,765	14,32	5,633	7,80	49,827	22,19
Maggio 10,7	19,468	67,96	33,686	22,41	22,114	12,90	6,023	8,91	50,145	20,68
20,7	19,774	66,39	33,993	20,83	22,465	11,63	6,409	10,56	50,466	19,20
30,7	20,074	64,78	34,296	19,23	22,812	10,54	6,781	12,69	50,783	17,79
Giugno 9,6	20,362	63,19	34,586	17,64	23,146	9,66	7,129	15,23	51,090	16,48
19,6	20,631	61,65	34,857	16,11	23,460	9,01	7,445	18,11	51,379	15,31
29,6	20,872	60,21	35,103	14,69	23,745	8,62	7,719	21,25	51,641	14,32
Luglio 9,6	21,082	58,90	35,316	13,41	23,993	8,49	7,945	24,57	51,871	13,53
19,5	21,253	57,75	35,490	12,29	24,199	8,61	8,118	27,99	52,062	12,95
29,5	21,381	56,79	35,623	11,35	24,357	8,97	8,234	31,43	52,209	12,59
Agosto 8,5	21,465	56,01	35,711	10,61	24,464	9,55	8,290	34,82	52,310	12,43
18,5	21,503	55,43	35,753	10,07	24,517	10,32	8,287	38,07	52,363	12,48
28,4	21,496	55,04	35,750	9,71	24,517	11,22	8,227	41,12	52,368	12,70
Sett. 7,4	21,447	54,83	35,705	9,53	24,467	12,22	8,113	43,92	52,328	13,07
17,4	21,361	54,77	35,622	9,51	24,372	13,26	7,951	46,40	52,248	13,55
27,3	21,244	54,85	35,508	9,63	24,239	14,28	7,749	48,52	52,133	14,10
Ottobre 7,3	21,104	55,05	35,370	9,86	24,076	15,24	7,515	50,24	51,992	14,69
17,3	20,949	55,34	35,216	10,17	23,893	16,08	7,257	51,50	51,833	15,28
27,3	20,788	55,70	35,056	10,55	23,701	16,75	6,987	52,29	51,666	15,83
Nov. 6,2	20,631	56,12	34,899	10,97	23,510	17,24	6,713	52,58	51,500	16,33
16,2	20,486	56,57	34,753	11,43	23,331	17,52	6,446	52,35	51,345	16,74
26,2	20,359	57,06	34,625	11,91	23,172	17,57	6,194	51,61	51,207	17,06
Dic. 6,2	20,257	57,57	34,521	13,40	23,041	17,40	5,967	50,37	51,093	17,28
16,1	20,183	58,08	34,444	12,88	22,943	17,02	5,772	48,66	51,008	17,40
26,1	20,141	58,58	34,399	13,35	22,882	16,43	5,613	46,52	50,956	17,41
36,1	20,132	59,06	34,387	13,79	22,860	15,66	5,489	44,03	50,937	7,31
Posizione media	$20^h.48^m.17^s,177$ $-9°.17'.17'',46$		$20^h.52^m.31^s,417$ $-10°.0'.32'',31$		$20^h.56^m.19^s,635$ $-32°.34'.30'',82$		$20^h.57^m.4^s,248$ $+47°.12'.15'',03$		$20^h.59^m.47^s,833$ $-20°,10'.34'',40$	

POSIZIONI APPARENTI DI STELLE

Giorno del mese	23 θ Capricorni gr. : 4,2		63 f² Cygni gr. : 4,8		5 γ Equulei gr. : 4,8		3 Piscis Australis gr. : 5,6		67 σ Cygni gr. : 4,8	
	Ascene. retta	Declin. auetrale	Aeoens. retta	Declin. boreale	Ascene. retta	Declin. boreale	Ascene. retta	Declin. australe	Aecens. retta	Declin. boreals
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	21. 1	17.32	21. 3	47.19	21. 6	9.48	21. 8	27.56	21.14	39. 3
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	23,704	78,16	47,914	35,00	24,066	23,88	29,229	62,61	13,544	30,45
11,1	23,708	78,13	47,823	32,40	24,053	22,51	29,225	62,00	13,473	28,09
21,0	23,746	77,99	47,781	29,59	24,072	21,11	29,256	61,23	13,442	25,53
31,0	23,817	77,73	47,790	26,66	24,123	19,74	29,323	60,33	13,453	22,88
Febbr. 10,0	23,919	77,35	47,851	23,73	24,206	18,46	29,425	59,28	13,508	20,25
20,0	24,053	76,83	47,966	20,94	24,320	17,35	29,561	58,11	13,608	17,73
Marzo 1,9	24,217	76,15	48,133	18,38	24,465	16,47	29,729	56,82	13,753	15,44
11,9	24,410	75,32	48,350	16,17	24,640	15,87	29,929	55,43	13,941	13,48
21,9	24,630	74,33	48,613	14,40	24,844	15,58	30,158	53,94	14,169	11,93
31,8	24,876	73,18	48,917	13,14	25,075	15,65	30,415	52,39	14,435	10,85
Aprile 10,8	25,145	71,90	49,256	12,44	25,329	16,09	30,698	50,79	14,733	10,30
20,8	25,433	70,50	49,621	12,32	25,604	16,89	31,002	49,17	15,056	10,30
30,8	25,737	69,02	50,004	12,79	25,895	18,03	31,323	47,57	15,399	10,84
Maggio 10,7	26,050	67,50	50,395	13,84	26,195	19,48	31,657	46,04	15,752	11,92
20,7	26,367	65,98	50,784	15,42	26,498	21,20	31,995	44,60	16,107	13,49
30,7	26,682	64,50	51,161	17,49	26,798	23,14	32,332	43,31	16,454	15,51
Giugno 9,7	26,985	63,10	51,515	19,98	27,086	25,24	32,658	42,19	16,786	17,91
19,6	27,270	61,82	51,837	22,82	27,356	27,43	32,966	41,28	17,092	20,63
29,6	27,531	60,70	52,120	25,93	27,601	29,67	33,249	40,60	17,366	23,60
Luglio 9,6	27,759	59,77	52,356	29,23	27,814	31,89	33,498	40,16	17,599	26,72
19,5	27,948	59,04	52,538	32,64	27,990	34,04	33,708	39,97	17,787	29,93
29,5	28,095	58,52	52,663	36,08	28,124	36,08	33,872	40,03	17,925	33,16
Agosto 8,5	28,196	58,21	52,729	39,48	28,215	37,95	33,987	40,32	18,011	36,33
18,5	28,250	58,10	52,736	42,75	28,261	39,64	34,052	40,82	18,043	39,37
28,4	28,257	58,18	52,685	45,84	28,263	41,11	34,066	41,48	18,024	42,23
Sett. 7,4	28,219	58,40	52,580	48,69	28,223	42,36	34,031	42,27	17,955	44,85
17,4	28,141	58,75	52,427	51,22	28,146	43,36	33,953	43,14	17,842	47,18
27,4	28,030	59,21	52,232	53,40	28,038	44,12	33,837	44,05	17,691	49,17
Ottobre 7,3	27,893	59,72	52,003	55,18	27,905	44,62	33,691	44,93	17,509	50,78
17,3	27,738	60,24	51,751	56,52	27,755	44,87	33,524	45,74	17,305	51,99
27,3	27,575	60,77	51,484	57,39	27,597	44,88	33,347	46,45	17,087	52,77
Nov. 6,2	27,413	61,26	51,212	57,76	27,439	44,64	33,169	47,02	16,865	53,09
16,2	27,261	61,69	50,945	57,61	27,288	44,17	33,000	47,43	16,646	52,94
26,2	27,125	62,07	50,693	56,95	27,152	43,48	32,848	47,65	16,438	52,33
Dic. 6,2	27,013	62,37	50,462	55,78	27,035	42,58	32,720	47,69	16,249	51,26
16,1	26,930	62,58	50,262	54,14	26,943	41,50	32,621	47,55	16,086	49,76
26,1	26,877	62,72	50,098	52,07	26,879	40,26	32,556	47,23	15,953	47,87
36,1	26,858	62,76	49,976	49,62	26,844	38,92	32,525	46,73	15,858	45,66
Posizione media	21h.1m.23s,771 −17°.33′.20″,33		21h.3m.48s,653 +47°.19′.19″,84		21h.6m.24s,153 +9°.48′.15″,98		21h.8m.29s,334 −27°.57′.2″,71		21h.14m.13s,970 +39°.3′.16″,15	

Giorno del mese	66 *v* Cygni gr. : 4,4		32 *ι* Capricorni gr. : 4,3		69 Cygni gr. : 5,8		73 *ρ* Cygni gr. : 4,2		72 Cygni gr. : 5,0	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	21.14	34.33	21.17	17.10	21.22	36.18	21.30	45.13	21.31	38.10
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	34,883	34,47	44,317	46,91	28,031	74,74	55,487	75,66	27,623	27,72
11,1	34,824	32,23	44,306	46,89	27,960	72,50	55,377	73,30	27,539	25,50
21,1	34,802	29,81	44,327	46,76	27,927	70,07	55,310	70,69	27,492	23,08
31,0	34,820	27,32	44,381	46,51	27,934	67,55	55,288	67,92	27,486	20,53
Febbr. 10,0	34,879	24,85	44,466	46,11	27,982	65,03	55,315	65,12	27,522	17,96
20,0	34,979	22,52	44,582	45,57	28,072	62,62	55,393	62,39	27,601	15,49
Marzo 2,0	35,120	20,41	44,729	44,87	28,205	60,43	55,522	59,84	27,725	13,22
11,9	35,301	18,62	44,905	44,00	28,380	58,55	55,700	57,59	27,892	11,24
21,9	35,521	17,24	45,111	42,96	28,595	57,07	55,926	55,73	28,102	9,64
31,9	35,775	16,32	45,344	41,76	28,847	56,04	56,197	54,33	28,351	8,50
Aprile 10,8	36,059	15,91	45,602	40,41	29,131	55,52	56,506	53,46	28,634	7,86
20,8	36,368	16,02	45,882	38,94	29,442	55,52	56,847	53,14	28,947	7,74
30,8	36,696	16,66	46,180	37,39	29,773	56,06	57,212	53,39	29,282	8,16
Maggio 10,8	37,034	17,80	46,490	35,79	30,116	57,11	57,592	54,21	29,631	9,11
20,7	37,375	19,41	46,807	34,18	30,464	58,65	57,976	55,56	29,986	10,56
30,7	37,710	21,44	47,124	32,60	30,806	60,62	58,355	57,40	30,338	12,46
Giugno 9,7	38,030	23,82	47,432	31,11	31,135	62,96	58,719	59,68	30,677	14,75
19,7	38,327	26,49	47,725	29,74	31,441	65,61	59,058	62,32	30,994	17,37
29,6	38,593	29,38	47,994	28,52	31,717	68,50	59,363	65,27	31,282	20,24
Luglio 9,6	38,821	32,41	48,234	27,50	31,955	71,54	59,627	68,43	31,532	23,29
19,6	39,007	35,50	48,437	26,69	32,150	74,67	59,842	71,73	31,739	26,45
29,5	39,145	38,59	48,598	26,09	32,298	77,81	60,004	75,10	31,898	29,64
Agosto 8,5	39,233	41,60	48,714	25,72	32,395	80,89	60,110	78,46	32,006	32,80
18,5	39,270	44,48	48,784	25,57	32,440	83,86	60,160	81,74	32,062	35,85
28,5	39,257	47,17	48,806	25,61	32,435	86,64	60,153	84,87	32,066	38,73
Sett. 7,4	39,198	49,61	48,783	25,83	32,382	89,19	60,092	87,78	32,021	41,39
17,4	39,096	51,76	48,720	26,18	32,285	91,46	59,982	90,42	31,931	43,78
27.4	38,958	53,59	48,621	26,65	32,150	93,40	59,829	92,74	31,802	45.86
Ottobre 7,4	38,791	55,06	48,495	27,19	31,985	94,98	59,640	94,70	31,640	47,58
17,3	38,603	56,13	48,348	27,76	31,777	96,18	59,424	96,24	31,453	48,90
27.3	38,401	56,80	48,191	28,33	31,595	96,95	59,188	97,34	31,250	49,80
Nov. 6,3	38,196	57,03	48,032	28,88	31,386	97,29	58,943	97,96	31,039	50,27
16,2	37,995	56,83	47,879	29,38	31,180	97,19	58,696	98,09	30,828	50,29
26,2	37,806	56,19	47,741	29,81	30,984	96,64	58,457	97,71	30,625	49,84
Dic. 6,2	37,635	55,12	47,623	30,16	30,806	95,64	58,234	96,83	30,437	48,94
16,2	37,489	53,66	47,530	30,43	30,649	94,23	58,033	95,48	30,271	47,61
26,1	37,372	51,84	47,466	30,60	30,521	92,45	57,861	93,68	30,131	45,89
36,1	37.288	49,72	47,433	30,69	30,426	90,36	57,724	91,50	30,022	43,83
Posizione media	21h.14m.35s,213 +34°.33′.21″,04		21h.17m.44s,331 −17°.10′.48″,96		21h.22m.28s,346 +36°.19.′0″,58		21h.30m.55s,949 +45°,13′.59″,31		21h.31m.27s,914 +38°.10′.12″,76	

Giorno del mese	39 ε Capricorni gr. : 4,7		23 ξ Aquarii gr.: 4,8		27 Aquarii (11 Pegasi) gr. : 5,4		10 γ Cephei gr. : 4,5		51 μ Capricorni gr. : 5,2	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	21.32	19.49	21.33	8.12	21.43	2. 18	21.43	60,44	21.48	13.55
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	32,888	45,79	26,532	61,44	7,657	45,54	5,68	67,58	53,024	59,06
11,1	32,863	45,65	26,508	61,89	7,621	44,60	5,45	65,20	52,987	59,23
21,1	32,870	45,36	26,512	62,27	7,613	43,68	5,28	62,48	52,979	59,27
31,0	32,908	44,93	26,546	62,54	7,633	42,82	5,18	59,50	53,000	59,19
Febbr. 10,0	32,978	44,34	26,611	62,68	7,683	42,05	5,15	56,39	53,051	58,95
20,0	33,080	43,60	26,706	62,66	7,763	41,44	5,20	53,27	53,132	58,55
Marzo 2,0	33,213	42,70	26,830	62,46	7,873	41,02	5,32	50,28	53,245	57,97
11,9	33,377	41,64	26,985	62,05	8,015	40,84	5,53	47,53	53,388	57,20
21,9	33,572	40,42	27,170	61,42	8,188	40,93	5,81	45,14	53,563	56,23
31,9	33,796	39,05	27,384	60,55	8,391	41,32	6,15	43,19	53,768	55,07
Aprile 10,9	34,047	37,56	27,624	59,47	8,622	42,00	6,55	41,77	54,001	53,73
20,8	34,323	35,96	27,888	58,18	8,878	42,98	7,01	40,92	54,261	52,23
30,8	34,619	34,30	28,172	56,71	9,155	44,24	7,50	40,68	54,544	50,60
Maggio 10,8	34,930	32,62	28,470	55,09	9,448	45,75	8,01	41,05	54,843	48,89
20,7	35,250	30,95	28,777	53,38	9,751	47,46	8,52	42,01	55,154	47,12
30,7	35,573	29,34	29,086	51,61	10,057	49,33	9,03	43,54	55,470	45,36
Giugno 9,7	35,890	27,83	29,389	49,85	10,358	54,30	9,52	45,58	55,783	43,65
19,7	36,193	26,48	29,679	48,12	10,646	53,32	9,97	48,08	56,085	42,04
29,6	36,475	25,31	29,948	46,49	10,914	55,33	10,37	50,97	56,368	40,57
Luglio 9,6	36,728	24,34	30,189	44,99	11,156	57,29	10,72	54,17	56,625	39,27
19,6	36,945	23,61	30,397	43,66	11,365	59,15	11,00	57,60	56,849	38,17
29,6	37,122	23,12	30,565	42,52	11,535	60,87	11,21	61,18	57,035	37,30
Agosto 8,5	37,255	22,87	30,690	41,59	11,664	62,41	11,34	64,83	57,179	36,67
18,5	37,340	22,85	30,771	40,88	11,749	63,75	11,40	68,47	57,277	36,27
28,5	37,377	23,04	30,806	40,38	11,790	64,88	11,38	72,03	57,329	36,09
Sett. 7,4	37,368	23,41	30,798	40,09	11,789	65,78	11,29	75,42	57,337	36,12
17,4	37,317	23,92	30,751	39,99	11,748	66,46	11,12	78,59	57,303	36,34
27,4	37,229	24,54	30,668	40,05	11,673	66,93	10,90	81,47	57,233	36,70
Ottobre 7,4	37,110	25,23	30,557	40,26	11,569	67,18	10,62	83,98	57,131	37,18
17,3	36,969	25,93	30,426	40,59	11,441	67,24	10,30	86,08	57,006	37,74
27,3	36,815	26,62	30,282	41,00	11 306	67,11	9,94	87,73	56,866	38,35
Nov. 6,3	36,655	27,26	30,134	41,48	11,162	66,82	9,57	88,86	56,719	38,96
16,3	36,500	27,82	29,990	42,01	11,020	66,38	9,18	89,44	56,573	39,56
26,2	36,357	28,28	29,856	42,57	10,886	65,79	8,79	89,46	56,435	40,12
Dic. 6,2	36,231	28,62	29,738	43,13	10,765	65,08	8,42	88,91	56,312	40,62
16,2	36,128	28,84	29,642	43,70	10,663	64,28	8,08	87,79	56,207	41,05
26,1	36,053	28,94	29,570	44,24	10,584	63,39	7,76	86,14	56,125	41,41
36,1	36,006	28,90	29,525	44,75	10,529	62,45	7,50	84,00	56,069	41,66
Posizione media	21h.32m.32s,862 -19°.49′.47″,06		21h.33m.26s,470 -8°.13.′5″,41		21h.43m.7s,561 +2°.18′.38″,91		21h.43m.6s,681 +60°.44′.47″,92		21h.48m.52s,913 -13°.56′.1″,51	

Giorno del mese	Bradley 2868 gr. : 6,9		158 (B) Cephei (79 Drac.) gr. : 6,6		13 Cephei gr. : 6,0		12 η Piscis Australis gr. : 5,4		28 Aquarii gr. : 5,8	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	21.50	55.49	21.51	73.18	21.52	56.13	21.56	28.50	21.56	0. 12
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	22,547	68,06	48,41	30,15	9,032	57,36	11,296	36,06	56,518	61,45
11,1	22,355	65,77	47,92	27,93	8,835	55,08	11,245	35,50	56,474	60,64
21,1	22,213	63,14	47,53	25,29	8,688	52,46	11,224	34,73	56,455	59,85
31,0	22,127	60,26	47,26	22,32	8,598	49,59	11,236	33,76	56,463	59,13
Febbr. 10,0	22,104	57,26	47,12	19,15	8,570	46,59	11,281	32,60	56,500	58,51
20,0	22,146	54,25	47,12	15,91	8,608	43,57	11,360	31,27	56,567	58,04
Marzo 2,0	22,255	51,36	47,26	12,73	8,714	40,67	11,474	29,77	56,664	57,77
11,9	22,430	48,71	47,54	9,74	8,888	38,01	11,621	28,14	56,793	57,72
21,9	22,670	46,41	47,95	7,04	9,127	35,68	11,803	26,38	56,954	57,93
31,9	22,970	44,54	48,18	4,76	9,427	33,79	12,019	24,53	57,146	58,42
Aprile 10,9	23,323	43,18	49,11	2,98	9,781	32,40	12,265	22,61	57,367	59,20
20,8	23,720	42,39	49,82	1,76	10,179	31,58	12,541	20,66	57,615	60,25
30,8	24,150	42,19	50,59	1,13	10,612	31,35	12,842	18,72	57,887	61,56
Maggio 10,8	24,602	42,58	51,40	1,12	11,067	31,71	13,163	16,84	58,176	63,10
20,7	25,063	43,55	52,21	1,73	11,533	32,65	13,498	15,06	58,478	64,82
30,7	25,521	45,08	53,02	2,93	11,995	34,15	13,840	13,43	58,785	66,68
Giugno 9,7	25,963	47,10	53,78	4,69	12,441	36,15	14,180	11,98	59,089	68,63
19,7	26,377	49,57	54,49	6,95	12,860	38,60	14,510	10,77	59,382	70,62
29,6	26,752	52,41	55,12	9,64	13,240	4[illegible],43	14,821	9,81	59,659	72,59
Luglio 9,6	27,079	55,56	55,66	12,71	13,571	44,57	15,105	9,13	59,911	74,48
19,6	27,350	58,93	56,09	16,06	13,846	47,93	15,355	8,75	60,131	76,27
29,6	27,558	62,44	56,40	19,63	14,059	51,44	15,565	8,66	60,314	77,90
Agosto 8,5	27,700	66,01	56,59	23,33	14,205	55,02	15,729	8,86	60,456	79,35
18,5	27,774	69,58	56,66	27,08	14,282	58,59	15,843	9,32	60,556	80,59
28,5	27,781	73,05	56,61	30,81	14,290	62,08	15,907	10,01	60,611	81,61
Sett. 7,4	27,722	76,37	56,43	34,43	14,233	65,41	15,921	10,90	60,623	82 41
17,4	27,602	79,45	56,15	37,88	14,114	68,52	15,887	11,92	60,596	82,99
27,4	27,426	82,25	55,76	41,07	13,939	71,34	15,812	13,02	60,533	83,35
Ottobre 7,4	27,203	84,70	55,27	43,94	13,716	73,81	15,701	14,16	60,440	83,52
17,3	26,941	86,74	54,71	46,42	13,453	75,89	15,562	15,26	60,325	83,50
27,3	26,649	88,34	54,08	48,45	13,160	77,51	15,403	16,28	60,194	83,31
Nov. 6,3	26,338	89,4[illegible]	53,40	49,97	12,847	78,64	15,235	17,16	60,055	82,98
16,3	26,017	90,01	52,69	50,95	12,522	79,24	15,067	17,87	59,916	82,52
26,2	25,697	90,03	51,98	51,34	12,198	79,29	14,905	18,38	59,783	81,94
Dic. 6,2	25,387	89,50	51,27	51,13	11,883	78,79	14,758	18,66	59,661	81,27
16,2	25,098	88,43	50,59	50,31	11,589	77,74	14,631	18,72	59,556	80,52
26,1	24,837	86,84	49,97	48,91	11,323	76,17	14,529	18,56	59,470	79,71
36,1	24,614	84,77	49,42	46,97	11,095	74,13	14,455	18,15	59,407	78,88
Posizione media	21h.50m.23s,200 +55°.49′.48″,78		21h.51m.50s,673 +73°.19′.8″,40		21h.52m.5s,683 +56°.13′.37″,92		21h.56m.11s,242 −28°.50′.34″,80		21h.56m.56s,358 +0.12′.55″,321	

Giorno del mese	16 Cephei gr. : 5,2		31 *o* Aquarii gr. : 4,7		γ Gruis gr. 4,6		22 ν Pegasi gr. : 4,9		28 Pegasi gr. : 4,6	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	21.58	72.47	21.59	2.32	22. 1	39.55	22. 1	4. 39	22. 6	20.34
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	3,94	61,08	7,675	43,69	14,246	69,06	35,868	50,19	40,470	57,37
11,1	3,46	58,92	7,630	44,38	14,170	67,99	35,817	49,20	40,399	55,84
21,1	3,07	56,32	7,610	45,02	14,132	66,64	35,792	48,21	40,354	54,18
31,1	2,79	53,39	7,618	45,59	14,132	65,04	35,794	47,26	40,338	52,46
Febbr. 10,0	2,64	50,25	7,654	46,04	14,170	63,24	35,824	46,39	40,353	50,75
20,0	2,62	47,02	7,719	46,34	14,247	61,26	35,885	45,66	40,401	49,13
Marzo 2,0	2,74	43,82	7,815	46,44	14,364	59,13	35,977	45,13	40,484	47,68
12,0	2,99	40,80	7,943	46,32	14,521	56,91	36,101	44,83	40,603	46,48
21,9	3,37	38,08	8,102	45,95	14,716	54,62	36,257	44,80	40,758	45,59
31,9	3,87	35,75	8,293	45,32	14,949	52,30	36,445	45,07	40,949	45.05
Aprile 10,9	4,47	33,90	8,513	44,43	15,219	50,00	36,664	45,65	41,173	44,91
20,8	5,15	32,61	8,760	43,28	15,521	47,76	36,910	46,54	41,428	45,19
30,8	5,90	31,92	9,031	41,90	15,851	45,63	37,181	47,73	41,709	45,88
Maggio 10,8	6,68	31,84	9,320	40,32	16,205	43,66	37,470	49,19	42,009	46,97
20,8	7,47	32,37	9,622	38,57	16,574	41,89	37,771	50,87	42,323	48,44
30,7	8,26	33,50	9,930	36,72	16,952	40,37	38,078	52,74	42,642	50,23
Giugno 9,7	9,01	35,18	10,235	34,80	17,329	39,14	38,384	54,75	42,958	52,30
19,7	9,71	37,37	10,531	32,87	17,696	38,22	38,679	56,83	43,263	54,60
29,7	10,34	40,01	10,809	30,98	18,043	37,65	38,957	58,93	43,550	57,05
Luglio 9,6	10,88	43,03	11,063	29,18	18,361	37,43	39,210	60,99	43,810	59,60
19,6	11,32	46,34	11,286	27,52	18,642	37,56	39,432	62,98	44,038	62,17
29,6	11,65	49,88	11,472	26,03	18,879	38,03	39,618	64,84	44,227	64,72
Agosto 8,5	11,86	53,57	11,618	24,73	19,065	38,82	39,763	66,53	44,374	67,19
18,5	11,95	57,32	11,720	23,64	19,195	39,89	39,865	68,03	44,477	69,52
28,5	11,92	61,05	11,778	22,78	19,268	41,19	39,924	69,32	44,534	71,68
Sett. 7,5	11,78	64,68	11,794	22,14	19,285	42,67	39,940	70,39	44,548	73,63
17,4	11,52	68,15	11,769	21,71	19,248	44,25	39,916	71,22	44,521	75,34
27,4	11,16	71,38	11,708	21,49	19,161	45,86	39,856	71,83	44,457	76,78
Ottobre 7,4	10,71	74,29	11,618	21,46	19,032	47,44	39,766	72,21	44,361	77,94
17,4	10,18	76,83	11,504	21,60	18,870	48,91	39,654	72,38	44,241	78,81
27,3	9,58	78,92	11,374	21,87	18,683	50,19	39,525	72,35	44,103	79,36
Nov. 6,3	8,94	80,51	11,236	22,27	18,483	51,24	39,388	72,14	43,954	79,61
16,3	8,27	81,56	11,097	22,77	18,280	52,01	39,249	71,75	43,802	79,54
26,2	7,58	82,03	10,964	23,36	18,083	52,46	39,115	71,20	43,653	79,15
Dic. 6,2	6,89	81,89	10,842	24,01	17,901	52,58	38,991	70,51	43,511	78,47
26,2	6,24	81,15	10,737	24,71	17,741	52,36	38,883	69,69	43,383	77,50
26,2	5,63	79,82	10,651	25,43	17,610	51,81	38,793	68,78	43,273	76,27
36,1	5,09	77,94	10,587	26,15	17,511	50,94	38,726	67,80	43,184	74,83
Posizione media	$21^h.58^m.5^s,966$ $+72°.47'.29'',02$		$21^h.59^m\ 7^s,504$ $-2°.32'.49'',07$		$22^h.1^m.14.^s,302$ $-39°.56'.5'',31$		$22^h.1^m.35^s,691$ $+4°.39'.42'',81$		$22^h.6^m.40^s,328$ $+20°.34'.45'',51$	

Giorno del mese	1 (Hevelius) Lacertæ gr. : 4,6		46 ρ Aquarii gr. : 5,4		47 Aquarii gr. : 5,4		50 Aquarii gr. : 5,9		52 π Aquarii gr. : 4,6	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	22,10	39.18	22.15	8. 13	22.17	21.59	22.20	13.55	22.21	0.57
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	23,989	61,92	56,503	38,82	8,380	76,96	7,073	83,51	8,707	63,52
11,1	23,869	59,98	56,447	39,26	8,316	76,79	7,012	83,71	8,646	62,71
21,1	23,781	57,76	56,414	39,60	8,280	76,43	6,976	83,77	8,607	61,93
31,1	23,730	55,37	56,408	39,83	8,272	75,88	6,966	83,68	8,593	61,20
Febbr. 10,0	23,719	52,89	56,429	39,92	8,293	75,13	6,984	83,42	8,606	60,58
20,0	23,750	50,43	56,479	39,84	8,345	74,20	7,031	82,98	8,648	60,10
Marzo 2,0	23,826	48,09	56,560	39,57	8,430	73,08	7,110	82,35	8,721	59,81
12,0	23,949	45,97	56,672	39,09	8,547	71,78	7,220	81,52	8,826	59,74
21,9	24,118	44,17	56,817	38,39	8,699	70,31	7,363	80,48	8,964	59,92
31,9	24,332	42,77	56,995	37,45	8,885	68,68	7,540	79,24	9,135	60,38
Aprile 10,9	24,588	41,83	57,204	36,29	9,103	66,93	7,749	77,82	9,338	61,12
20,8	24,881	41,39	57,442	34,92	9,352	65,08	7,988	76,23	9,571	62,14
30,8	25,204	41,46	57,706	33,36	9,628	63,16	8,253	74,51	9,831	63,42
Maggio 10,8	25,550	42,05	57,992	31,66	9,927	61,22	8,541	72,69	10,113	64,94
20,8	25,910	43,15	58,293	29,84	10,242	59,32	8,846	70,81	10,411	66,66
30,7	26,274	44,72	58,603	27,96	10,567	57,49	9,160	68,93	10,717	68,53
Giugno 9,7	26,634	46,71	58,914	26,08	10,895	55,78	9,476	67,10	11,025	70,50
19,7	26,979	49,07	59,218	24,24	11,216	54,25	9,786	65,37	11,327	72,51
29,7	27,300	51,74	59,507	22,49	11,522	52,92	10,083	63,77	11,614	74,53
Luglio 9,6	27,590	54,63	59,775	20,87	11,806	51,84	10,358	62,35	11,880	76,48
19,6	27,841	57,68	60,013	19,42	12,060	51,02	10,604	61,15	12,116	78,33
29,6	28,047	60,83	60,216	18,17	12,277	50,48	10,815	60,18	12,319	80,03
Agosto 8,5	28,204	63,99	60,379	17,15	12,452	50,23	10,985	59,46	12,483	81,55
18,5	28,310	67,11	60,499	16,37	12,582	50,25	11,112	59,00	12,604	82,87
28,5	28,365	70,11	60,576	15,82	12,664	50,52	11,195	58,79	12,683	83,97
Sett. 7,5	28,369	72,94	60,609	15,51	12,700	51,02	11,233	58,81	12,719	84,84
17,4	28,325	75,54	60,600	15,41	12,691	51,71	11,229	59,04	12,714	85,47
27,4	28,239	77,87	60,554	15,50	12,641	52,54	11,186	59,45	12,673	85,89
Ottobre 7,4	28,116	79,88	60,476	15,75	12,556	53,46	11,109	59,99	12,600	86,10
17,4	27,962	81,54	60,373	16,14	12,443	54,42	11,005	60,63	12,503	86,12
27,3	27,785	82,80	60,251	16,63	12,309	55,36	10,882	61,32	12,386	85,96
Nov. 6,3	27,593	83,64	60,118	17,19	12,162	56,25	10,747	62,04	12,258	85,65
16,3	27,393	84,04	59,982	17,79	12,011	57,04	10,608	62,74	12,126	85,20
26,2	27,192	83,98	59,849	18,12	11,863	57,71	10,471	63,40	11,995	84,64
Dic. 6,2	26,997	83,46	59,724	19,05	11,725	58,22	10,342	64,00	11,872	83,98
16,2	26,815	82,50	59,613	19,65	11,602	58,56	10,227	64,51	11,760	83,24
26,2	26,652	81,12	59,519	20,21	11,497	58,72	10,128	64,92	11,663	82,45
36,1	26,513	79,37	59,146	20,72	11,116	58,69	10,051	65,21	11,586	81,64
Posizione media	$22^h.10^m.24^s,011$ $+39°.18'.45'',14$		$22^h.15^m.56^s,262$ $-8°.13'.42'',55$		$22^h.17^m.8^s,188$ $-22°.0'.16'',90$		$22^h.20^m.6^s,829$ $-13°.56'.25'',60$		$22^h.21^m.8^s,432$ $+0°.57'.57'',14$	

Giorno del mese	δ Tucanæ gr. : 4,8		55 ζ^2 Aquarii gr. : 3,8		38 Pegasi gr. : 5,5		57 σ Aquarii gr. : 4,9		17 β Piscis Australis gr. : 4,4	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	22.21	65.22	22.24	0.25	22.26	32.9	22.26	11.5	22.26	32.45
	s	″	s	″	s	″	s	″	s	″
Genn. 1,1	34,46	52,78	40,064	61,12	19,566	42,70	22,007	31,92	54,418	46,03
11,1	34,21	50,73	40,001	61,87	19,458	41,00	21,944	32,24	54,333	45,41
21,1	34,03	48,29	39,961	62,58	19,376	39,07	21,903	32,45	54,277	44,52
31,0	33,91	45,52	39,945	63,22	19,325	36,99	21,887	32,51	54,252	43,38
Febbr. 10,0	33,88	42,50	39,955	63,76	19,307	34,83	21,898	32,42	54,260	42,01
20,0	33,92	39,30	39,994	64,15	19,326	32,70	21,938	32,16	54,302	40,42
Marzo 2,0	34,04	35,99	40,064	64,35	19,385	30,69	22,009	31,70	54,380	38,65
12,0	34,24	32,64	40,166	64,34	19,486	28,88	22,112	31,03	54,494	36,71
21,9	34,51	29,34	40,301	64,07	19,629	27,36	22,247	30,15	54,645	34,65
31,9	34,85	26,14	40,470	63,54	19,814	26,20	22,416	29,05	54,834	32,49
Aprile 10,9	35,25	23,11	40,671	62,73	20,040	25,47	22,618	27,74	55,059	30,27
20,8	35,72	20,31	40,902	61,65	20,302	25,19	22,851	26,25	55,319	28,04
30,8	36,24	17,80	41,160	60,32	20,595	25,38	23,111	24,59	55,609	25,84
Maggio 10,8	36,80	15,64	41,441	58,77	20,912	26,04	23,394	22,80	55,925	23,71
20,8	37,39	13,88	41,738	57,03	21,247	27,17	23,694	20,94	56,260	21,71
30,7	38,00	12,54	42,045	55,16	21,590	28,72	24,005	19,04	56,608	19,89
Giugno 9,7	38,62	11,67	42,354	53,19	21,933	30,65	24,318	17,15	56,960	18,29
19,7	39,23	11,29	42,657	51,19	22,266	32,90	24,627	15,34	57,308	16,95
29,7	39,81	11,38	42,947	49,21	22,580	35,42	24,923	13,64	57,642	15,91
Luglio 9,6	40,34	11,96	43,215	47,30	22,868	38,13	25,198	12,09	57,954	15,20
19,6	40,82	13,01	43,455	45,50	23,123	40,98	25,446	10,74	58,235	14,82
29,6	41,23	14,49	43,661	43,86	23,338	43,89	25,659	9,61	58,478	14,78
Agosto 8,5	41,56	16,35	43,828	42,40	23,509	46,79	25,833	8,73	58,676	15,08
18,5	41,79	18,52	43,954	41,16	23,633	49,63	25,964	8,09	58,826	15,68
28,5	41,93	20,93	44,037	40,14	23,710	52,36	26,052	7,70	58,925	16,55
Sett. 7,5	41,96	23,48	44,077	39,35	23,740	54,91	26,096	7,55	58,973	17,66
17,4	41,90	26,09	44,077	38,79	23,726	57,24	26,097	7,62	58,970	18,94
27,4	41,74	28,65	44,039	38,45	23,670	59,31	26,060	7,87	58,920	20,32
Ottobre 7,4	41,50	31,04	43,970	38,31	23,579	61,09	25,990	8,29	58,831	21,74
17,4	41,18	33,18	43,875	38,36	23,459	62,55	25,893	8,82	58,708	23,14
27,3	40,80	34,97	43,761	38,57	23,316	63,65	25,776	9,43	58,560	24,44
Nov. 6,3	40,39	36,34	43,636	38,92	23,157	64,38	25,647	10,09	58,396	25,60
16,3	39,96	37,22	43,505	39,39	22,989	64,72	25,512	10,77	58,224	26,56
26,2	39,52	37,57	43,375	39,96	22,819	64,66	25,378	11,44	58,053	27,27
Dic. 6,2	39,09	37,38	43,252	40,62	22,652	64,20	25,251	12,07	57,890	27,71
16,2	38,70	36,64	43,140	41,34	22,494	63,35	25,136	12,65	57,742	27,87
26,2	38,35	35,38	43,043	42,10	22,350	62,14	25,037	13,14	57,614	27,74
36,1	38,06	33,63	42,964	42,87	22,225	60,60	24,957	13,55	57,510	27,31
Posizione media	$22^h.21^m.35^s,281$	$-65°.22'.44'',33$	$22^h.24^m.39^s,772$	$-0°.26'.7'',08$	$22^h.26^m.19^s,382$	$+32°.9'.27'',26$	$22^h.26^m.21^s,726$	$-11°.5'.34'',73$	$22^h.26^m.54^s,271$	$-32°.45'.43'',05$

Giorno del mese	226 (Bode) Cephei gr.: 5,7		63 x Aquarii gr.: 5,3		22 γ Piscis Australis gr.: 4,5		49 σ Pegasi gr.: 5,3		52 Pegasi gr: 5,8	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	22.30	75.48	22.33	4.38	22.48	33.18	22 48	9.24	22.55	11.17
	s	″	s	″	s	″	s	″	s	″
Genn. 1,2	49,61	56,09	34,041	41,84	1,890	83,55	18,120	24,24	9,037	53,32
11,1	48,93	54,35	33,973	42,43	1,786	83,01	18,038	23,22	8,949	52,25
21,1	48,36	52,11	33,926	42,94	1,709	82,18	17,976	22,14	8,880	51,13
31,1	47,90	49,45	33,903	43,36	1,660	81,07	17,935	21,06	8,831	49,98
Febbr. 10,0	47,59	46,49	33,905	43,64	1,641	79,70	17,920	20,02	8,807	48,86
20,0	47,43	43,35	33,936	43,77	1,656	78,10	17,933	19,09	8,812	47,84
Marzo 2,0	47,43	40,14	33,998	43,71	1,706	76,28	17,977	18,32	8,847	46,96
12,0	47,60	37,01	34,091	43,43	1,794	74,28	18,054	17,75	8,916	46,28
21,9	47,94	34,08	34,218	42,92	1,920	72,13	18,166	17,44	9,021	45,85
31,9	48,42	31,46	34,378	42,16	2,085	69,87	18,315	17,42	9,163	45,72
Aprile 10,9	49,05	29,26	34,571	41,15	2,288	67,54	18,499	17,72	9,342	45,91
20,9	49,79	27,55	34,796	39,90	2,528	65,17	18,717	18,35	9,555	46,43
30,8	50,63	26,39	35,049	38,44	2,802	62,82	18,966	19,30	9,800	47,28
Maggio 10,8	51,53	25,82	35,326	36,79	3,106	60,55	19,240	20,55	10,072	48,45
20,8	52,47	25,86	35,621	34,99	3,434	58,40	19,535	22,08	10,365	49,92
30,7	53,42	26,51	35,927	33,09	3,777	56,42	19,843	23,85	10,672	51,64
Giugno 9,7	54,36	27,73	36,238	31,15	4,129	54,66	20,156	25,81	10,985	53,57
19,7	55,24	29,49	36,544	29,21	4,481	53,18	20,466	27,90	11,297	55,66
29,7	56,06	31,75	36,838	27,32	4,823	52,00	20,766	30,07	11,599	57,84
Luglio 9,6	56,79	34,44	37,112	25,53	5,146	51,16	21,047	32,27	11,883	60,07
19,6	57,41	37,50	37,359	23,89	5,442	50,66	21,302	34,43	12,142	62,28
29,6	57,91	40,85	37,573	22,44	5,703	50,53	21,525	36,52	12,370	64,44
Agosto 8,6	58,29	44,42	37,749	21,20	5,921	50,76	21,711	38,48	12,561	66,48
18,5	58,52	48,13	37,885	20,18	6,093	51,32	21,857	40,27	12,713	68,36
28,5	58,61	51,91	37,977	19,40	6,215	52,18	21,962	41,87	12,823	70,07
Sett. 7,5	58,57	55,66	38,026	18,86	6,286	53,30	22,024	43,25	12,891	71,56
17,4	58,39	59,32	38,034	18,55	6,306	54,63	22,046	44,41	12,918	72,82
27,4	58,08	62,82	38,005	18,45	6,279	56,09	22,030	45,32	12,908	73,85
Ottobre 7,4	57,65	66,06	37,943	18,54	6,210	57,62	21,981	46,00	12,864	74,64
17,4	57,11	68,99	37,854	18,79	6,104	59,15	21,904	46,44	12,792	75,19
27,3	56,48	71,52	37,744	19,18	5,970	60,60	21,806	46,66	12,697	75,49
Nov. 6,3	55,77	73,60	37,622	19,67	5,816	61,92	21,692	46,65	12,586	75,57
16,3	55,00	75,17	37,493	20,24	5,650	63,04	21,570	46,44	12,465	75,43
26,3	54,19	76,18	37,363	20,87	5,480	63,92	21,443	46,04	12,338	75,08
Dic. 6,2	53,37	76,58	37,239	21,53	5,313	64,53	21,318	45,46	12,212	74,53
16,2	52,55	76,37	37,125	22,20	5,157	64,83	21,200	44,71	12,091	73,80
26,2	51,76	75,54	37,025	22,87	5,017	64,82	21,091	43,83	11,979	72,91
36,1	51,03	74,12	36,942	23,51	4,897	64,50	20,997	42,83	11,879	71,89
Posizione media	22h.30m.51s,341 +75°.48′.32″,09		22h.33m.33s,709 −4°.38′.46″,50		22h.48m.1s,649 −33°.18′.19″,85		22h.48m.17s,703 +9°.24′.15″,25		22h.55m.8s,581 +11°.17′.43″,71	

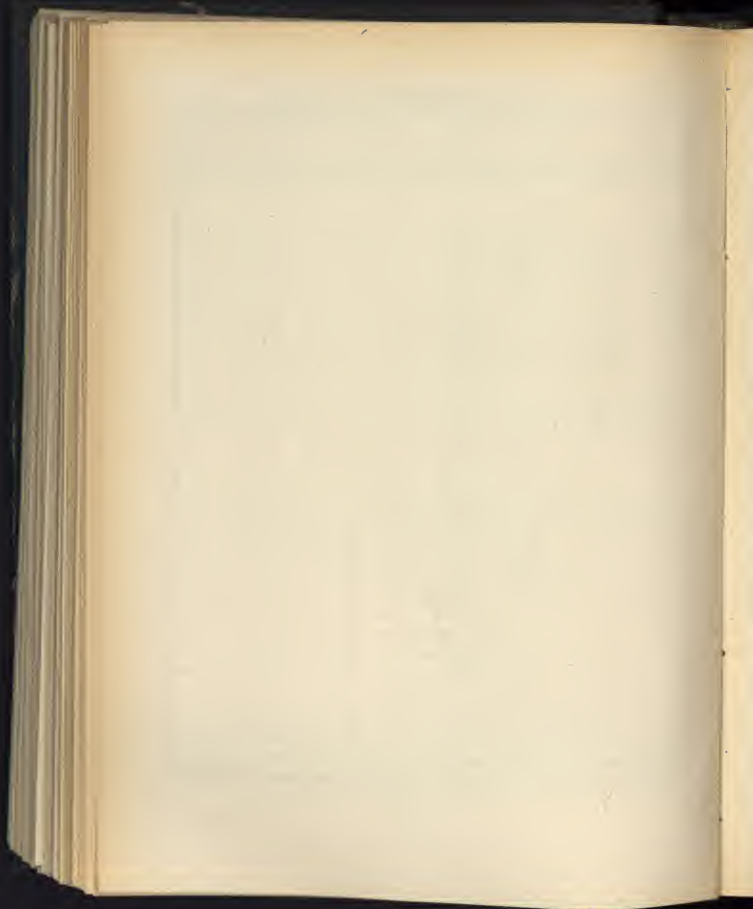
Giorno del mese	4 β Piscium gr. 4,6		83 h' Aquarii gr. : 5,6		55 Pegasi gr. : 4,7		5 Andromedæ gr. : 5,8		5 A Piscium gr. : 5,6	
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° '	h m	° '	h m	° '	h m	° '	h m	° '
1919	22.59	3,23	23. 0	8. 7	23. 2	8. 58	23. 4	48.51	23. 4	1. 41
	s	"	s	"	s	"	s	"	s	"
Genn. 1,2	45,760	8,02	56,853	49,04	55,890	26,56	4,656	35,56	32,462	18,12
11,2	45,675	7,19	56,769	49,51	55,800	25,58	4,457	34,03	32,375	17,35
21,1	45,607	6,37	56,703	49,86	55,727	24,56	4,283	32,11	32,306	16,60
31,1	45,560	5,58	56,657	50,08	55,675	23,54	4,143	29,87	32,256	15,91
Febbr. 10,1	45,537	4,88	56,635	50,15	55,645	22,56	4,042	27,39	32,229	15,31
20,0	45,540	4,31	56,639	50,05	55,643	21,67	3,989	24,79	32,228	14,84
Marzo 2,0	45,573	3,91	56,673	49,75	55,672	20,93	3,988	22,17	32,256	14,54
12,0	45,638	3,71	56,739	49,23	55,733	20,40	4,044	19,64	32,317	14,46
22,0	45,738	3,75	56,839	48,48	55,830	20,11	4,159	17,31	32,413	14,61
31,9	45,873	4,07	56,974	47,51	55,964	20,10	4,333	15,27	33,544	15,03
Aprile 10,9	46,045	4,67	57,145	46,30	56,134	20,40	4,564	13,62	32,711	15,72
20,9	46,251	5,56	57,350	44,88	56,340	21,01	4,847	12,42	32,913	16,69
30,9	46,489	6,72	57,587	43,26	56,578	21,94	5,177	11,71	33,148	17,92
Maggio 10,8	46,754	8,14	57,852	41,49	56,844	23,18	5,544	11,53	33,410	19,39
20,8	47,041	9,79	58,139	39,60	57,133	24,68	5,940	11,88	33,695	21,08
30,8	47,343	11,62	58,442	37,63	57,437	26,42	6,354	12,76	33,996	22,93
Giugno 9,7	47,653	13,58	58,753	35,65	57,749	28,35	6,773	14,13	34,306	24,90
19,7	47,962	15,62	59,065	33,70	58,061	30.41	7,187	15,96	34,616	26,94
29,7	48,263	17,70	59,370	31,82	58,364	32,55	7,585	18,20	34,918	28,98
Luglio 9,7	48,548	19,74	59,659	30,08	58,651	34,72	7,957	20,78	35,205	30,99
19,6	48,808	21,70	59,925	28,52	58,914	36,86	8,293	23,66	35,469	32,90
29,6	49,039	23,54	60,161	27,16	59,147	38,92	8,586	26,74	35,703	34,68
Agosto 8,6	49,234	25,22	60,362	26,04	59,345	40,85	8,830	29,96	35,903	36,29
18,6	49,391	26,71	60,523	25,17	59,503	42,63	9,020	33,27	36,065	37.69
28,5	49,507	27,98	60,643	24,56	59,621	44,21	9,154	36,57	36,185	38,87
Sett. 7,5	49,581	29,02	60,720	24,21	59,697	45,57	9,233	39,80	36,264	39,81
17,5	49,614	29,82	60,756	24,10	59,733	46,71	9,257	42,92	36,303	40,52
27,4	49,609	30,39	60,753	24,20	59,731	47,61	9,229	45,84	36,304	41,00
Ottobre 7,4	49,571	30,74	60,715	24,50	59,695	48,27	9,153	48,52	36,270	41,26
17,4	49,505	30,88	60,648	24,95	59,631	48,71	9,035	50,89	36,208	41,31
27,4	49,416	30,83	60,557	25,52	59,543	48,92	8,880	52,91	36,123	41,18
Nov. 6,3	49,310	30,61	60,448	26,17	59,439	48,91	8,696	54,52	36,020	40,89
16,3	49,193	30,23	60,329	26,87	59,322	48,71	8,489	55,70	35,906	40,47
26,3	49,072	29,72	60,205	27,59	59,200	48,33	8,267	56,41	35,786	39,93
Dic. 6,3	48,950	29,09	60,082	28,30	59,077	47,77	8,035	56,62	35,666	39,29
16,2	48,833	28,38	59,964	28,98	58,957	47,06	7,802	56,32	35,549	38,58
26,2	48,724	27,59	59,854	29,60	58,845	46,22	7,574	55,52	35,440	37,82
36,2	48,628	26,75	59,758	30,14	58,743	45,28	7,360	54,25	35,343	37,04
Posizione media	22h.59m.45s,280 +3°.23'.0'',97		23h.0m.56s,392 -8°.7'.52'',36		23h.2m 55s,388 +8°.58'.17'',70		23h.4m.4s,315 +48°.51'.15'',04		23h.4m.31s,958 +1°.41'.11'',65	

Giorno del mese	ε Gruis gr. : 4,1 Ascens. retta	ε Gruis Declin. australe	59 Pegasi gr. : 5,2 Ascens. retta	59 Pegasi Declin. boreale	91 ψ^1 Aquarii gr. : 4,5 Ascens. retta	91 ψ^1 Aquarii Declin. australe	95 ψ^3 Aquarii gr. : 5,2 Ascens. retta	95 ψ^3 Aquarii Declin. australe	34 o Cephei gr. : 4,9 Ascens. retta	34 o Cephei Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	23.5	45.40	23.7	8.16	23.11	9.31	23.14	10.2	23.15	67.40
	s	° ′	s	″	s	″	s	″	s	″
Genn. 1,2	46,983	76,37	39,269	56,42	39,437	42,83	45,475	71,18	17,63	29,72
11,2	46,826	75,47	39,178	55,48	39,347	43,26	45,383	71,60	17,19	28,42
21,1	46,698	74,18	39,102	54,49	39,274	43,56	45,307	71,88	16,80	26,60
31,1	46,603	72,53	39,046	53,51	39,220	43,72	45,250	72,02	16,46	24,33
Febbr. 10,1	46,544	70,56	39,013	52,57	39,188	43,72	45,215	71,99	16,20	21,69
20,0	46,525	68,31	39,007	51,73	39,183	43,53	45,206	71,76	16,02	18,80
Marzo 2,0	46,549	65,84	39,031	51,04	39,206	43,14	45,225	71,34	15,94	15,77
12,0	46,617	63,19	39,087	50,55	39,261	42,53	45,276	70,70	15,96	12,73
22,0	46,730	60,41	39,179	50,30	39,351	41,69	45,362	69,84	16,10	9,80
31,9	46,891	57,56	39,308	50,33	39,476	40,63	45,484	68,74	16,33	7,10
Aprile 10,9	47,098	54,70	39,474	50,66	39,637	39,34	45,642	67,42	16,66	4,74
20,9	47,350	51,88	39,676	51,30	39,834	37,85	45,836	65,90	17,09	2,81
30,9	47,645	49,15	39,911	52,25	40,064	36,17	46,063	64,20	17,60	1,37
Maggio 10,8	47,976	46,59	40,174	53,50	40,324	34,34	46,320	62,35	18,17	0,47
20,8	48,337	44,25	40,460	55,01	40,608	32,41	46,602	60,40	18,79	0,14
30,8	48,722	42,17	40,763	56,75	40,909	30,41	46,902	58,39	19,44	0,40
Giugno 9,7	49,120	40,42	41,075	58,67	41,221	28,40	47,213	56,37	20,09	1,23
19,7	49,522	39,04	41,387	60,72	41,535	26,44	47,527	54,40	20,74	2,61
29,7	49,918	38,06	41,691	62,85	41,843	24,57	47,836	52,53	21,36	4,49
Luglio 9,7	50,296	37,50	41,979	65,00	42,138	22,84	48,132	50,81	21,94	6,83
19,6	50,646	37,37	42,245	67,11	42,411	21,30	48,406	49,28	22,47	9,57
29,6	50,960	37,68	42,481	69,14	42,655	19,98	48,652	47,97	22,93	12,64
Agosto 8,6	51,228	38,41	42,683	71,05	42,865	18,91	48,864	46,92	23,31	15,98
18,6	51,444	39,53	42,846	72,79	43,037	18,10	49,039	46,13	23,61	19,50
28,5	51,603	40,98	42,968	74,33	43,168	17,55	49,172	45,61	23,82	23,14
Sett. 7,5	51,702	42,71	43,049	75,66	43,257	17,27	49,263	45,36	23,94	26,82
17,5	51,741	44,65	43,090	76,76	43,304	17,24	49,313	45,36	23,97	30,46
27,4	51,723	46,72	43,093	77,62	43,311	17,44	49,323	45,58	23,91	33,98
Ottobre 7,4	51,651	48,83	43,062	78,25	43,283	17,82	49,297	46,00	23,77	37,32
17,4	51,533	50,88	43,002	78,65	43,225	18,36	49,241	46,57	23,56	40,40
27,4	51,375	52,80	42,918	78,83	43,142	19,02	49,159	47,25	23,28	43,15
Nov. 6,3	51,188	54,49	42,816	78,81	43,040	19,75	49,059	48,00	22,93	45,50
16,3	50,981	55,89	42,702	78,59	42,926	20,52	48,945	48,80	22,53	47,39
26,3	50,764	56,94	42,582	78,19	42,805	21,29	48,824	49,60	22,10	48,76
Dic. 6,3	50,546	57,60	42,460	77,63	42,682	22,04	48,701	50,36	21,64	49,58
16,2	50,335	57,83	42,341	76,93	42,563	22,73	48,581	51,05	21,16	49,81
26,2	50,138	57,63	42,229	76,11	42,451	23,25	48,467	51,67	20,69	49,44
36,2	49,963	57,01	42,127	75,19	42,350	23,87	48,364	52,19	20,23	48,48
Posizione media	$23^h.5^m.46^s,819$	$-45°.41'.9'',27$	$23^h.7^m,38^s,740$	$+8°.16'.47'',80$	$23^h.11^m.38^s,925$	$-9°.31'.45'',56$	$23^h.14^m.44^s,949$	$-10°.3'.13'',70$	$23^h.15^m.17^s,527$	$+67°.40'.5'',32$

GIORNO DEL MESE	98 b^1 Aquarii gr. : 4,2		67 Pegasi gr. : 5,5		10 θ Piscium gr. : 4,5		1 (*H*) Cassiopeiae gr. : 4,9		101 b^3 Aquarii gr. : 4,8	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. borsale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	23.18	20.32	23.20	31.56	23.23	5.56	23.26	58.6	23.29	21.21
	s	″	s	″	s	″	s	″	s	″
Genn. 1,2	43,620	35,39	53,301	39,10	52,115	9,55	17,635	31,32	2,958	45,51
11,2	43,517	35,48	53,166	37,78	52,018	8,70	17,347	30,06	2,849	45,61
21,1	43,432	35,35	53,047	36,22	51,934	7,83	17,084	28,33	2,756	45,48
31,1	43,366	34,99	52,949	34,46	51,868	6,97	16,857	26,18	2,681	45,10
Febbr. 10,1	43,324	34,39	52,878	32,56	51,822	6,18	16,677	23,70	2,628	44,48
20,1	43,308	33,56	52,839	30,60	51,801	5,49	16,555	21,00	2,601	43,61
Marzo 2,0	43,322	32,50	52,836	28,68	51,809	4,96	16,498	18,19	2,604	42,51
12,0	43,369	31,22	52,874	26,89	51,849	4,62	16,512	15,38	2,640	41,18
22,0	43,452	29,73	52,957	25,30	51,924	4,51	16,602	12,69	2,711	39,63
31,9	43.572	28,04	53,085	23,99	52,037	4,66	16,768	10,23	2,820	37,88
Aprile 10,9	43,730	26,19	53,258	23,03	52,187	5,10	17,008	8,10	2,968	35,96
20,9	43,925	24,19	53,475	22,46	52,374	5,83	17,317	6,38	3,154	33,91
30,9	44,155	22,09	53,732	22,31	52,596	6,85	17,687	5,14	3,377	31,75
Maggio 10,8	44,416	19,93	54,023	22,61	52,849	8,14	18,109	4,42	3,632	29,53
20,8	44,704	17,76	54,341	23,34	53,127	9,68	18,570	4,25	3,915	27,31
30,8	45,012	15,64	54,678	24,49	53,424	11,43	19,057	4,63	4,220	25,13
Giugno 9,8	45,332	13,61	55,025	26,03	53,733	13,34	19,557	5,55	4,539	23,05
19,7	45,656	11,72	55,373	27,92	54,045	15,37	20,056	6,98	4,865	21,12
29,7	45,977	10,04	55,713	30,10	54,352	17,45	20,541	8,89	5,188	19,39
Luglio 9,7	46,285	8,60	56,036	32,51	54,646	19,54	20,999	11,22	5,500	17,91
19,6	46,572	7,42	56,333	35,10	54,920	21,57	21,419	13,91	5,793	16,72
29,6	46,831	6,55	56,599	37,80	55,167	23,51	21,791	16,90	6,060	15,84
Agosto 8,6	47,055	6,00	56,827	40,56	55,381	25,31	22,109	20,11	6,293	15,28
18,6	47,240	5,76	57,013	43,30	55,558	26,93	22,366	23,49	6,488	15,05
28,5	47,383	5,84	57,155	45,98	55,696	28,35	22,558	26,95	6,641	15,15
Sett. 7,5	47,481	6,21	57,252	48,54	55,793	29,55	22,684	30,42	6,750	15,55
17,5	47,535	6,83	57,305	50,93	55,850	30,51	22,744	33,84	6,815	16,21
27,5	47,547	7,67	57,315	53,12	55,869	31,24	22,741	37,13	6,837	17,10
Ottobre 7,4	47,520	8,67	57,287	55,07	55,854	31,74	22,678	40,23	6,820	18,16
17,4	47,459	9,77	57,226	56,74	55,809	32,02	22,559	43,07	6,769	19,33
27,4	47,371	10,93	57,136	58,11	55,739	32,09	22,391	45,59	6.689	20,56
Nov. 6,3	47,261	12,08	57,021	59,14	55,649	31,97	22,179	47.72	6,586	21,78
16,3	47,137	13,17	56,889	59,83	55,545	31,69	21,931	49,42	6,466	22,94
26,3	47,005	14,15	56,744	60,16	55,432	31,25	21,654	50,63	6,336	23,99
Dic. 6,3	46,870	14,99	56,591	60,11	55,314	30,68	21,357	51,32	6,202	24,88
16,2	46,737	15,65	56,436	59,69	55,197	30,00	21,049	51,47	6,068	25,59
26,1	46,612	16,12	56,284	58,91	55,083	29,22	20,738	51,06	5,939	26,10
36,2	46,498	16,37	56,139	57,80	54,977	28,38	20,434	50,11	5,820	26,37
Posizione media	$23^h.18^m.43^s,125$ $-20°.32'.34'',54$		$23^h.20^m.52^s,700$ $+31°.56'.22'',87$		$23^h.23^m.51^s,494$ $+5°.56'.1'',79$		$23^h.26^m.17^s,137$ $+58°.6'.8'',42$		$23^h.29^m.2^s,414$ $-21°.21'.44'',20$	

Giorno del mese	14 Piscium gr. : 6,0		15 Andromedæ gr. : 5 5		ε Phoenicis gr. : 4,8		19 K Andromedæ gr. : 4 3		18 λ Piscium gr. : 4,6	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	23.29	1.41	23.30	39.47	23.30	43. 3	23.36	43.53	23.37	1. 20
	s	″	s	″	s	″	s	″	s	″
Genn. 1,2	59,770	37,01	40,209	41,56	43,680	54,96	25,493	26,42	55,457	9,20
11,2	59,673	37,67	40,044	40,30	43,513	54,37	25,308	25,21	55,356	8,47
21,2	59,589	38,28	39,894	38,71	43,369	53,36	25,138	23,63	55,267	7,76
31,1	59,521	38,80	39,767	36,83	43,252	51,98	24,991	22,72	55,192	7,12
Febbr. 10,1	59,472	39,21	39,668	34,74	43,166	50,25	24,874	19,57	55,136	6,57
20,1	59,448	39,46	39,604	32,54	43,115	48,21	24,795	17,27	55,104	6,14
Marzo 2,0	59,452	39,54	39,582	30,31	43,102	45,91	24,759	14,91	55,099	5,88
12,0	59,487	39,42	39,606	28,16	43,131	43,39	24,773	12,59	55,125	5,82
22,0	59,556	39,06	39,679	26,18	43,205	40,70	24,840	10,43	55,186	5,99
Aprile 1,0	59,662	38,45	39,803	24,45	43,325	37,89	24,962	8,50	55,284	6,41
10,9	59,806	37,59	39,979	23,06	43,491	35,02	25,139	6,90	55,420	7,09
20,9	59,987	36,47	40,204	22,07	43,704	32,14	25,369	5,69	55,594	8,04
30,9	60,202	35,11	40,473	21,52	43,961	29,31	25,648	4,92	55,804	9,25
Maggio 10,9	60,449	33,54	40,781	21,43	44,257	26,60	25,968	4,62	56,046	10,70
20,8	60,723	31,79	41,120	21,82	44,588	24,06	26,322	4,82	56,316	12,35
30,8	61,016	29,90	41,481	22,68	44,946	21,76	26,700	5,50	56,606	14,17
Giugno 9,8	61,322	27,91	41,855	23,98	45,322	19,75	27,092	6,65	56,911	16.12
19,7	61,634	25,89	42,230	25,68	45,707	18,09	27,487	8,24	57,222	18,13
29,7	61,942	23,88	42,598	27,74	46,092	16,80	27,875	10,22	57,530	20,16
Luglio 9,7	62,238	21,94	42,949	30,11	46,465	15,93	28,245	12,53	57,829	22,16
19,7	62,516	20,11	43,274	32,73	46,817	15,49	28,589	15,13	58,109	24,07
29,6	62,767	18,45	43,565	35,52	47,138	15,49	28,899	17,94	58,364	25,85
Agosto 8,6	62,987	16,98	43,817	38,43	47,419	15,93	29,168	20,90	58,589	27,45
18,5	63,171	15,73	44,025	41,39	47,654	16,79	29,392	23,95	58,778	28,85
28,5	63,316	14,73	44,186	44,34	47,837	18,02	29,567	27,01	58,928	30,02
Sett. 7,5	63,420	13,98	44,299	47,22	47,965	19,57	29,691	30,04	59,040	30,95
17,5	63,484	13,47	44,364	49,98	48,036	21,39	29,765	32,96	59,112	31,64
27,5	63,510	13,20	44,384	52,56	48,052	23,39	29,792	35,73	59,146	32,09
Ottobre 7,4	63,501	13,15	44,362	54,91	48,016	25,48	29,774	38,29	59,145	32,31
17,4	63,462	13,29	44,301	57,00	47,933	27,58	29,715	40,59	59.112	32,33
27,4	63,396	13,60	44,207	58,78	47,810	29,60	29,619	42,58	59,054	32,16
Nov. 6,4	63,310	14,05	44,085	60,21	47,654	31,45	29,492	44,22	58,974	31,83
16,3	63,209	14,61	43,941	61,26	47,475	33,06	29,340	45,48	58,878	31,37
26,3	63,099	15,25	43,780	61,91	47,280	34,35	29,167	46,31	58,772	30,81
Dic. 6,3	62,984	15,93	43,606	62,14	47,079	35,28	28,980	46,70	58,659	30,16
16,2	62,868	16,65	43,427	61,94	46,878	35,81	28,785	46,64	58.543	29,45
26,2	62,755	17,38	43,247	61,32	46,684	35,92	28,587	46,12	58,429	28,70
36,2	62,649	18,09	43,073	60,27	46,505	35,61	28,392	45,16	58,321	27,94
Posizione media	$23^h.29^m.59^s,133$ $-1^\circ.41'.42'',12$		$23^h.30^m.39^s,544$ $+39^\circ.47'.23'',04$		$23^h.30^m.43^s,330$ $-43^\circ.3'.47'',69$		$23^h.36^m.24^s,784$ $+43^\circ.53'.6'',76$		$23^h.37^m.54^s,765$ $+1^\circ.20'.3'',15$	

Giorno del mese	106 i^1 Aquarii gr. : 5,3		20 ψ Andromedæ gr. : 5,1		19 Piscium gr. : 5,3		25 Piscium gr. : 6,2		4163 Groombridge gr. : 6,6	
	Ascens. retta	Declin. australe	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale	Ascens. retta	Declin. boreale
	h m	° ′	h m	° ′	h m	° ′	h m	° ′	h m	° ′
1919	23.40	18.43	23.42	45.58	23.42	3. 2	23.48	1.38	23.50	73.57
	s	″	s	″	s	″	s	″	s	″
Genn. 1,2	0,732	36,52	1,660	33,73	15,794	21,09	56,537	30,63	53,00	59,80
11,2	0,621	36,75	1,462	32,58	15,691	20,32	56,432	29,90	52,31	59,07
21,2	0,523	36,76	1,279	31,04	15,599	19,57	56,338	29,20	51,68	57,75
31,1	0,442	36,53	1,118	29,15	15,521	18,87	56,257	28,56	51,11	55,89
Febbr. 10,1	0,381	36,07	0,987	26,99	15,462	18,24	56,192	28,00	50,63	53,57
20,1	0,345	35,37	0,895	24,66	15,425	17,73	56,150	27,57	50,26	50,88
Marzo 2,0	0,336	34,43	0,848	22,25	15,416	17,38	56,135	27,31	50,01	47,95
12,0	0,360	33,26	0,852	19,86	15,438	17,22	56,151	27,24	49,90	44,88
22,0	0,419	31,86	0,912	17,60	15,494	17,29	56,200	27,39	49,94	41,81
Aprile 1,0	0,516	30,26	1,029	15,57	15,588	17,61	56,287	27,79	50,13	38,86
10,9	0,651	28,47	1,204	13,85	15,721	18,19	56,413	28,45	50,47	36,14
20,9	0,825	26,51	1,435	12,51	15,892	19,05	56,577	29,38	50,94	33,76
30,9	1,036	24,42	1,716	11,61	16,099	20,18	56,779	30,56	51,53	31,80
Maggio 10,9	1,281	22,25	2,041	11,19	16,339	21,55	57,015	31,98	52,22	30,33
20,8	1,555	20,05	2,402	11,26	16,607	23,15	57,279	33,62	53,00	29,39
30,8	1,853	17,86	2,789	11,83	16,897	24,94	57,566	34,43	53,83	29,02
Giugno 9,8	2,166	15,74	3,191	12,87	17,202	26,86	57,869	37,36	54,70	29,23
19,7	2,487	13,75	3,598	14,36	17,513	28,87	58,179	39,37	55,57	30,00
29,7	2,807	11,93	3,998	16,26	17,822	30,91	58,489	41,40	56,43	31,32
Luglio 9,7	3,119	10,33	4,381	18,52	18,122	32,94	58,791	43,41	57,25	33,14
19,7	3,413	9,00	4,739	21,07	18,404	34,89	59,076	45,33	58,02	35,43
29,6	3,682	7,96	5,062	23,87	18,662	36,73	59,338	47,12	58,71	38,12
Agosto 8,6	3,920	7,24	5,344	26,83	18,890	38,41	59,570	48,74	59,31	41,16
18,6	4,122	6,85	5,580	29,90	19,083	39,89	59,769	50,17	59,82	44,48
28,6	4,283	6,78	5,766	33,01	19,238	41,16	59,930	51,37	60,21	48,00
Sett. 7,5	4,401	7,00	5,901	36,10	19,354	42,19	60,052	52,32	60,49	51,66
17,5	4,477	7,50	5,985	39,10	19,430	42,98	60,135	53,03	60,65	55,37
27,5	4,511	8,25	6,019	41,96	19,468	43,54	60,180	53,50	60,70	59,07
Ottobre 7,5	4,507	9,19	6,006	44,63	19,471	43,87	60,190	53,74	60,63	62,67
17,4	4,468	10,26	5,951	47,04	19,443	43,98	60,168	53,77	60,44	66,09
27,4	4,400	11,41	5,858	49,15	19,388	43,90	60,120	53,61	60,15	69,26
Nov. 6,4	4,309	12,59	5,731	50,92	19,312	43,65	60,049	53,29	59,77	72,10
16,3	4,200	13,73	5,576	52,30	19,220	43,26	59,961	52,84	59,29	74,54
26,3	4,079	14,79	5,399	53,25	19,116	42,75	59,859	52,28	58,74	76,51
Dic. 6,3	3,951	15,72	5,205	53,76	19,004	42,13	59,750	51,64	58,13	77,94
16,3	3,822	16,49	5,000	53,80	18,889	41,44	59,637	50,94	57,47	78,80
26,2	3,695	17,08	4,791	53,37	18,775	40,70	59,523	50,20	56,79	79,05
36,2	3,576	17,47	4,584	52,48	18 665	39,92	59,412	49,45	56,10	78,67
Posizione media	23h.40m.0s,114 −18°.43′.35″,82		23h.42m.0s.899 +45°.58′.13″,50		23h.42m.15s,072 +3°.2′.14″,19		23h.48m.55s,781 +1°.38″.24′,60		23h.50m.52s,227 +73°.57′.34″,12	

Giorno del mese	84 ψ Pegasi gr.: 4,8		30 Piscium gr.: 4,7							
	Ascens. retta	Declin. boreale	Ascens. retta	Declin. australe						
	h m	° ′	h m	° ′						
1919	23.53	24,41	23.57	6.27						
	s	″	s	″						
Genn. 1,2	38,523	41,61	49,118	48,16						
11,2	38,395	40,60	49,010	48,74						
21,2	38,275	39,38	48,910	49,20						
31,1	38,169	38,00	48,823	49,53						
Febbr. 10,1	38,082	36,52	48,752	49,70						
20,1	38,021	34,99	48,703	49,70						
Marzo 2,0	37,990	33,49	48,679	49,49						
12,0	37,995	32,10	48,685	49,07						
22,0	38,041	30,89	48,726	48,42						
Aprile 1,0	38,129	29,91	48,803	47,53						
10,9	38,261	29,23	48,919	46,40						
20,9	38,437	28,89	49,074	45,05						
30,9	38,655	28,92	49,267	43,49						
Maggio 10,9	38,909	29,32	49,495	41,74						
20,8	39,195	30,10	49,753	39,85						
30,8	39,506	31,24	50,036	37,85						
Giugno 9,8	39,832	32,71	50,336	35,80						
19,7	40,166	34,47	50,646	33,76						
29,7	40,498	36,47	50,958	31,76						
Luglio 9,7	40,820	38,66	51,263	29,88						
19,7	41,125	40,98	51,553	28,15						
29,6	41,404	43,38	51,822	26,61						
Agosto 8,6	41,651	45,80	52,062	25,31						
18,6	41,863	48,19	52,269	24,26						
28,6	42,035	50,49	52,440	23,49						
Sett. 7,5	42,166	52,67	52,571	23,00						
17,5	42,257	54,68	52,663	22,77						
27,5	42,308	56,50	52,717	22,80						
Ottobre 7,5	42,322	58,10	52,734	23,05						
17,4	42,302	59,45	52,719	23,49						
27,4	42,253	60,55	52,676	24,09						
Nov. 6,4	42,179	61,37	52,609	24,80						
16,3	42,084	61,91	52,523	25,58						
26,3	41,973	62,16	52,423	26,40						
Dic. 6,3	41,850	62,11	52,314	27,22						
16,3	41,719	61,78	52,199	28,01						
26,2	41,584	61,16	52,083	28,75						
36,2	41,450	60,20	51,970	29,41						
Posizione media	$23^h.53^m.37^s,674$ $+24°.41'.27'',72$		$23^h.57^m.48^s,342$ $-6°.27'.51'',24$							

NUMERI E MISURE

Nota di G. BOCCARDI.

In due Note pubblicate dal Ch.mo Collega Signor Henry-Bourget, 1) rispettivamente nel *Bulletin Astronomique* (t. XXXII, p. 18) e nella *Revue de Métaphysique* (t. XXV, nº 1 - 1918), si leggono ingegnose riflessioni sul mondo esteriore, sulle misure di entità fisiche e su i numeri che esprimono dette misure; ma poichè in alcuni punti io non divido le opinioni dell'Autore, credo opportuno di dettare alcune righe a complemento di quanto scrisse il Bourget ed a giustificazione delle mie divergenze dal suo modo di pensare.

I. — Per prima, il Bourget scrive: *Tutto quello che noi sappiamo con precisione sul mondo esteriore proviene o da misure o da risultati numerici di statistica* 2). Inoltre da quello che egli dice in séguito è evidente essere sua opinione che non ci è possibile di giungere a numeri *esatti* quando ci poggiamo su misure. Ora io fo notare che alcuni numeri riferentisi a leggi fisiche, quantunque poggiati su misure sono assolutamente esatti, perchè il ragionamento ci fa comprendere che quei numeri devono esser tali, trattandosi di leggi naturali. Con altre parole, i risultati delle misure ci forniscono numeri approssimati, ma il principio logico della semplicità delle leggi naturali 3) ci fa riconoscere in quei numeri di misura, sempre più vicini àd un limite, un carattere asintotico, avvicinandosi essi a numeri esatti molto semplici.

Per esempio, da osservazioni di posizione dei diversi pianeti del nostro sistema si potranno avere per l'esponente della distanza il quale esprime la ragione secondo cui agisce la forza attrattiva, che ha sede nel Sole, valori come:

1,99; 2,02; 1,98;.....;

---

1) Direttore dell'Osservatorio di Marsiglia.

2) L'Autore aggiunge le conòscenze dipendenti dalla *Analysis situs*.

3) E noto che Buffon, in seno alla Accademia delle scienze di Parigi, protestò in nome di questa semplicità contro l'aggiunta di un piccolo termine correttivo all'esponente 2 della legge di gravitazione, aggiunta proposta da Clairaut quando non riusciva a trovare col calcolo, per lo spostamento della linea apsidale dell'orbita lunare, un valore uguale a quello dato dalla osservazione.

ma il principio logico invocato ci conduce necessariamente all'esponente *2*. Dicasi lo stesso dell'esponente *4* che s'incontra nella legge di radiazione del calore e di altri numeri che s'incontrano nella Fisica, nella Chimica, ecc... Per esempio, nell'acqua chimicamente pura vi sono due volumi di idrogeno per ogni volume di ossigeno; e i numeri *2* ed *1* con le cifre che li seguono sono assolutamente esatti. Ed è lo stesso per altri composti chimici.

Siamo dunque condottti a *numeri esatti*, che si riferiscono al mondo esteriore, eppure provengono da misure.

II. — Mi sembra pure che la distinzione fra la *cifra esatta* e le *cifre seguenti* sia un po' artificiale.

Innanzi tutto bisogna fare intervenire il sistema di numerazione che si adopera; per esempio, trattandosi di misure angolari, mediante archi, la divisione decimale o la sessagimale, ecc., ecc...

Può accadere che uno di questi sistemi di misura dia una idea poco vantaggiosa della precisione cui siamo giunti, perchè, a voler dare come ultima la sola cifra esatta, quel sistema di numerazione ci costringe a fermarci ad una frazione maggiore di quella cui ci permette di giungere (sempre con cifre esatte) un altro sistema di numerazione.

Anzicchè distinguere con un taglio netto (che si riferisce ad una concezione teorica più che ad una realtà di fatto), la cifra *esatta* dalle *seguenti*, io proporrei (come più corrispondente a realtà) di indicare una *zona* entro la quale è compreso il numero che misura esattamente l'ente fisico. S'intende che, eccetto il caso di numeri esatti, per esempio esponenti di leggi fisiche, i numeri di misura non possono essere esatti, se non relativamente ad un certo grado di approssimazione. Per esempio, trattandosi di lunghezze, si potrà darle *esatte* fino al centimetro, al millimetro, ecc.

Tornando alla zona, dalle misure eseguite risulta per una entità fisica un valore compreso fra certi limiti. La zona compresa fra essi è quella che indica il grado di precisione cui si è giunti.

Con questo criterio della zona va connesso l'altro della incertezza *effettiva* che rimane sul valore adottato per quell'ente fisico, come risultato di una serie di misure. Indicare l'incertezza effettiva che rimane sopra il valore adottato, è dire i limiti (inferiore e superiore) entro ai quali è compreso il valore effettivo; s'intende sempre fino all'approssimazione cui ci si ferma.

Mentre il parlare di cifra esatta è un riferirsi esclusivamente al sistema di numerazione adottato, non dando alcuna idea sulle cifre seguenti; la zona fornisce qualche cosa di più preciso.

Prendiamo per esempio la parallasse solare, per la quale il miglior valore oggi posseduto è

$$8'',806 \pm 0'',004.$$

Qui l'errore indicato è l'errore *probabile*, ma non *l'incertezza effettiva* che rimane sul valore 8″,806; ma, come tutti sanno, l'errore probabile indica soltanto che vi è tanta probabilità che l'errore effettivo sia ad esso superiore, quanto che gli sia inferiore. Invece nell'esempio che trattiamo, tutti converranno che l'incertezza effettiva, è di 0″,01, sicchè per la parallasse solare, la zona sarebbe caratterizzata dalle cifre seguenti

$$8'',80 \pm 0'',01.$$

Secondo il Bourget nella parallasse solare la sola cifra esatta sarebbe 8″; ma ognun vede che con questo sistema si verrebbe a dare una idea pochissimo vantaggiosa della precisione cui siamo giunti in siffatta ricerca.

Vedo bene che il Bourget nella sua seconda Nota dà il valore 8″,81 per detta parallasse; ma egli sa meglio di me che, secondo le attuali nostre conoscenze, quella entità astronomica può essere espressa da 8″,79, e 8″,81. Sicchè di cifre esatte non vi è che 8″; eppure egli ne dà tre!

Come altro esempio; supponiamo che un teodolite dia per misura diretta 10″ e che si apprezzi il secondo. Per il Bourget l'ultima cifra *esatta* sarebbe quella delle diecine di secondi, e tutte le altre dovrebbero essere escluse dai calcoli; ma dal momento che si può apprezzare la cifra dell'ordine seguente, cioè quella dei secondi, ogni astronomo riterrà più preciso l'avere riguardo alla cifra stimata che il trascurarla. Sulla cifra stimata potrà aversi un errore di 1″ oppure 2″; ma col fermarsi alle diecine perchè solo per esse si ha cifra esatta, si commetterebbe un errore che può, nel caso, giungere ad 8″ o 9″.

III. — Qui è il caso di ripetere quanto ho scritto in altra mia Noticina 1), che cioè la cifra esatta per i matematici non è sempre la stessa che per i calcolatori. Nel numero π, la terza cifra decimale è *1* pei matematici e 2 pei calcolatori, i quali sanno che prendendo 3,142, pel valore di π, commettono un *errore minore* che prendendo 3,141; e per ogni buon calcolatore l'essenziale non è di lavorare sulle cifre strettamente esatte, ma di commettere il minor errore possibile. È questione di buon senso; perciò lo stesso Bourget ha arrotondato 8,″806, in 8,″81, quantunque la seconda cifra esatta (secondo l'Hinks) sarebbe *0*.

Non posso poi dire col Bourget che, quando si è scritta la cifra esatta, sia tanto erroneo il mettervi appresso uno zero quanto una cifra qualunque; ma mi sembra evidente che, se si ha assoluta incertezza sulla cifra seguente, il meglio si possa fare sia di prenderla eguale a 5. Infatti, se per

---

1) *A proposito di tavole di logaritmi.*

qualsiasi altra cifra decimale (chè le cifre seguenti sono decimali rispetto all'ordine cui appartiene la cifra certa), si fa il conto di tutti gli errori possibili quando si è adottata quella cifra seguente (e questo conto è eguale alla somma, in decimali, delle differenze in valori assoluti fra la cifra decimale adottata e tutte le altre possibili), si trova che per la decimale *5* questa somma è minore che per qualsiasi altro caso.

Col prendere *5* si ha

decimi	**0,1**	**0,2**	**0,3**	**0,4**	**0,5**	**0,6**	**0,7**	**0,8**	**0,9**
Differenze in valore assoluto	0,4	0,3	0,2	0,1	0,0	0,1	0,2	0,3	0,4,

e la somma delle differenze ossia dei decimi di errore possibili è 20.

Invece, se adottiamo *1* come cifra seguente, troviamo differenze in valore assoluto

0,0 0,1 0,2 0,3 0,4 0,5 0,6 0,7 0,8

e la somma degli errori possibili è *36* decimi.

E se vi è vantaggio nell'assumere *5* per cifra seguente, questo vantaggio persisterà anche quando sul numero totale si faranno operazioni, p. es. moltiplicandolo per un altro numero, elevandolo a qualche potenza, ecc. Il Bourget considera soltanto il caso in cui quel numero si addiziona con altri numeri, e dice che errerebbe chi aggiungesse alcuni zeri all'ultima cifra esatta. Questo è noto a tutti i buoni calcolatori, i quali quando addizionano i numeri aventi un disuguale numero di cifre esatte, arrotondano tutti gli altri in modo che abbiano lo stesso numero di cifre esatte che quello il quale fra essi ne ha meno. Io però consiglierei di dare a questo come cifra seguente *5*, e di arrotondare gli altri allo stesso ordine cui appartiene quel *5*.

Tornando alla zona di incertezza, segnamo sopra un asse di coordinate, a partire dalla origine O, due punti a e b, essendo a più vicino alla origine. Rappresenti il segmento Oa la misura di un ente fisico quando ci si ferma alla cifra esatta nel numero che esprime detta misura, e rappresenti Ob la misura quando si volesse sostituire la cifra esatta con quella che segue nello stesso ordine di numerazione. Sia p. es Oa eguale a *21* ed Ob eguale a *22*. L'intervallo ab rappresenta la zona di incertezza, entro la quale cade il punto x, tale che sia Ox la misura assolutamente esatta dell'ente fisico.

Se nulla sappiamo riguardo alla cifra dell'ordine seguente, cioè quella dei decimi dopo l'*1* del *21*, appunto per salvare il principio dell'imparzialità, il meglio che si possa fare è di prendere per misura di quell'ente *21,5*; e non sarebbe indifferente, come dice il Bourget, di mettere dopo l'*1* lo zero o qualsiasi altra cifra.

Sul calcolo di una formola di probabilità.

Nota di G. BOCCARDI.

1° In alcune questioni di probabilità si presenta da calcolare la formola seguente:

$$(1) \dots\dots\dots \frac{m}{M} \cdot \frac{m-1}{M-1} \cdot \frac{m-2}{M-2} \dots\dots \frac{m-\nu+1}{M-\nu+1},$$

dove ν, m ed M sono numeri interi in ordine crescente e tali che m ed M differiscano di poco, mentre ν sia di gran lunga più piccolo, e, nei casi più frequenti, inferiore a 100. Nella maggior parte dei casi che si presentano in pratica m ed M sono numeri di 4, 5, 6 cifre ed anche di più. In queste condizioni il calcolo diretto ed effettivo della (1) diventa praticamente impossibile; bisogna quindi limitarsi ad un calcolo approssimato, e ordinariamente si propone di adoperare la formola di Stirling, dopo aver scritta la (1) nella forma seguente:

$$(2) \dots\dots\dots \frac{m!\,(M-\nu)!}{M!\,(m-\nu)!}.$$

Si è quindi condotti ad applicare ad ognuno dei quattro fattoriali la formola

$$n! > n^n e^{-n} \sqrt{2\pi n}$$
$$n! < n^n e^{-n} \sqrt{2\pi n} \times e^{\frac{1}{12n}}.$$

Ora se $n = 1000$, il calcolo coi logaritmi volgari conduce ad un numero di 2568 cifre, delle quali 4 è la prima. Poichè nei problemi pratici di probabilità m ed M raggiungono spesso 100 000 od 1 000 000, si comprende che la (2) non semplifica il calcolo in modo che possa essere eseguito. Nell'esempio che tratto in ultimo, $M = 800\,000$, ed $M!$ è un

numero di circa 45 milioni di cifre. Dando ad ogni cifra 4 millimetri di spazio, il numero scritto in una sola linea prenderebbe 180 *chilometri;* e poichè bisogna al denominatore fare il prodotto di $M!$ per $(m - \nu)!$, si giungerebbe ad un numero lungo 320 chilometri!

2° In queste condizioni bisognerebbe rinunziare al calcolo delle probabilità, che richiedono l'uso della (1). Ora, avendo io dovuto fare applicazioni della (1), mi si è presentato un modo semplicissimo per calcolarla, in modo da garantire in tutti i casi della pratica almeno quattro cifre nella frazione decimale che esprime la probabilità richiesta. In casi assolutamente eccezionali, come quello dell'esempio qui appresso, l'errore giunge a poche unità della 4ª decimale. Ora è noto che in fatto di probabilità non si pretende dippiù.

Qui cade in acconcio di ravvicinare il caso del calcolo della (1) col mezzo dei fattoriali a quello del calcolo numerico mediante macchine calcolatrici. Queste presentano la superiorità rispetto al calcolo con logaritmi, di dare tutte le cifre dei prodotti, ecc., mentre i logaritmi dànno solo le cifre principali; ma come nella maggior parte dei casi, stabilito un grado di approssimazione (e quindi il numero di cifre con cui si calcolano i logaritmi) quello che occorre è di avere 5, 6, 7, 8 cifre esatte; i logaritmi rispondono a questo scopo, senza introdurre la complicazione di numeri con moltissime cifre.

In questi casi le macchine dànno imbarazzo o sono inapplicabili, come accade pei numeri di molti chilometri di lunghezza ora accennati.

Io ricorro ai logaritmi decimali nel modo seguente.

Adottando la differenza *media unitaria* fra tutte quelle che risultano dalle Tavole di logaritmi per i numeri da $m - \nu + 1$ ad m, si ha che nel calcolo del logaritmo del numeratore di (1) si viene a formare prossimamente la somma di una serie aritmetica di ν termini, dei quali il 1° è il $\log(m - \nu + 1)$ e l'ultimo m. Se chiamiamo a il $\log(m - \nu + 1)$ e d la differenza media fra il logaritmo di un numero dell'ordine di $m - \nu + 1$ e quello del numero seguente, quella somma è data da

$$\left[a + a + (\nu - 1)\,d\right]\frac{\nu}{2} = \left[2\,a + (\nu - 1)\,d\right]\frac{\nu}{2}.$$

Similmente pel denominatore, se a' è $\log(M - \nu + 1)$ e d' la differenza unitaria media pei logaritmi dei numeri da $M - \nu + 1$ ad M, la somma, ossia il logaritmo del denominatore è

$$\left[2\,a' + (\nu - 1)\,d'\right]\frac{\nu}{2}.$$

Sicchè il logaritmo della frazione è

$$(3)\ldots\frac{\nu}{2}\left[2a+(\nu-1)\,d-a'-(\nu-1)\,d'\right]=\nu\left[a-a'+(\nu-1)\right]\frac{d-d_{\prime}}{2}.$$

Esempio. Sia $\nu = 1000$, $m = 798\,000$, $M = 800\,000$

$d = 54._{50}$	$a = 5,\ 901\ 45886._{5}$
$d' = 54._{32}$	$a' = 5,\ 902\ 54732._{3}$
$d-d' = 0._{18}$	$a-a' = 9,\ 998\ 91154._{2} - 10$
$\frac{d-d'}{2} = 0._{09}$	$89._{9}$
	$9,\ 998\ 91244._{1} - 10$
	$\nu\,[\ldots.] = 8,\ \ 91\ 2441 - 10$
	N^{o} $0,\ 081\ 7393.$

3° Posto $M = \log_{10} e = 0,\ 434\ 294\ 481\ldots$, e usando d'ora in poi di logaritmi neperiani, la mia formola approssimata assume come valore di

$$L = \log_{10}\frac{m!}{(m-\nu)!} = M\log_{e}\frac{m!}{(m-\nu)!}$$

il numero

$$\frac{\nu}{2}\,M\left[\log m + \log\,(m-\nu)\right].$$

La formola di Stirling dà invece

$$M\left[\left(m+\frac{1}{2}\right)\log m - \left(m-\nu+\frac{1}{2}\right)\log\,(m-\nu) - m + \frac{\theta}{12\,m} + \right.$$
$$\left.(m-\nu) - \frac{T}{12\,(m-\nu)}\right].$$

dove con θ, T, e più avanti anche con t indichiamo numeri compresi fra 0 ed 1. *L'errore* commesso, cioè la differenza delle precedenti espressioni vale

$$M\left[-\left(m-\frac{\nu}{2}+\frac{1}{2}\right)\log\frac{m-\nu}{m} - \nu + \frac{\theta}{12\,m} - \frac{T}{12\,(m-\nu)}\right].$$

Posto $\frac{\nu}{m} = x$, la formola di Taylor-Lagrange dà

$$-\log \frac{m-\nu}{m} = x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{1}{4}\left(\frac{x}{1-t\,x}\right)^4.$$

Sostituendo, ricordando che $\nu = m\,x$, si trova con facili riduzioni che l'errore vale

$$M\left[\frac{x}{2} + \left(\frac{x}{2}\right)^2 + m\,\frac{x^3}{12} + \frac{x^3}{6} - m\,\frac{x^4}{6} + \right.$$
$$\left.\left(m - m\,x + \frac{1}{2}\right)\frac{1}{4}\left(\frac{x}{1-t\,x}\right)^4 + \frac{\theta}{12\,m} - \frac{T}{12\,(m-\nu)}\right].$$

Nei casi, in cui il mio metodo trova applicazione, il numero m è grande, il numero x è piccolo. In tali casi gli unici termini della formola precedente, che si debbano considerare, sono i seguenti:

$$M\left[\frac{x}{2} + m\,\frac{x^3}{12} + \frac{\theta}{12\,m}\right]$$

gli altri dànno un contributo trascurabile.

Per $m = 800\,000$, $\nu = 1000$, $x = \frac{1}{800}$, l'errore varrà al più

$$0{,}44\left[\frac{1}{1600} + \frac{800\,000}{12}\,\frac{1}{512\,000\,000} + \frac{1}{9\,600\,000}\right]$$

ciò non supera 0,0003.